TOSHIBA
Leading Innovation

ON-LINE MANUAL

24D1333B
24D1334B
LED Backlight LCD TV

During the life of your TV firmware updates will be made available to ensure that your TV maintains optimum performance. You can download the latest version of firmware from

www.toshiba-om.net/firmware.php

*Some features listed in this document are limited due to local legislation and may not be available in all countries.

"Register your TV online at: www.toshiba.co.uk/registration"

Get started with Freeview

Freeview gives you over 50 TV channels to play with, not to mention 25 radio stations.

Start watching all your favourite TV content today, just connect your aerial and tune in.

Keep up-to-date

New channels are launched on Freeview from time to time along with other updates to the service. So it pays to retune your digital TV periodically to make sure your Digital TV/Radio channels are up to date. To retune your Toshiba Digital TV, please refer to the Re-tune section for guidance.

Alternatively find out more on the dedicated Freeview website:

www.freeview.co.uk/retune

Freeview service is subject to availability. Aerial upgrade may be required.

English

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Safety Precautions

This equipment has been designed and manufactured to meet international safety standards but, like any electrical equipment, care must be taken to obtain the best results and for safety to be assured. Please read the points below for your own safety. They are of a general nature, intended to help with all electronic consumer products and some points may not apply to the goods you have just purchased.

Air Circulation

Leave more than 10cm around all edges when wall mounting the television to allow adequate ventilation. This will prevent overheating and possible damage to the television. Dusty places should also be avoided.

Heat Damage

Damage may occur if the television is left in direct sunlight or near a heater. Avoid places subject to extremely high temperatures or humidity, or locations where the temperature is likely to fall below 5°C (41°F).

Mains Supply

The set should be operated only from a 220-240 V AC 50 Hz outlet. DO ensure that the television is not standing on the mains lead. DO NOT cut off the mains plug from this equipment, this incorporates a special Radio Interference Filter, the removal of which will impair its performance. In the UK, the fuse fitted in this plug is approved by ASTA or BSI to BS1362. It should only be replaced by a correctly rated and approved type. IF IN DOUBT PLEASE CONSULT A COMPETENT ELECTRICIAN.

Warning

To prevent the spread of fire, keep candles or other open flames away from this product at all times.

Do

DO read the operating instructions before you attempt to use the equipment.

DO ensure that all electrical connections (including the mains plug, extension leads and interconnections between pieces of equipment) are properly made and in accordance with the manufacturers' instructions. Switch off and withdraw the mains plug before making or changing connections.

DO consult your dealer if you are ever in doubt about the installation, operation or safety of your equipment.

DO be careful with glass panels or doors on equipment.

Do not

DON'T remove any fixed cover as this may expose dangerous voltages.

DON'T obstruct the ventilation openings of the equipment with items such as newspapers, tablecloths, curtains, etc. Overheating will cause damage and shorten the life of the equipment.

DON'T allow electrical equipment to be exposed to dripping or splashing or objects filled with liquids, such as vases, to be placed on the equipment.

DON'T place hot objects or naked flame sources, such as lighted candles or nightlights on, or close to equipment. High temperatures can melt plastic and lead to fires.

DON'T use makeshift stands and NEVER fix with wood screws. Use only the manufacturers supplied screws.

DON'T leave equipment switched on when it is unattended, unless it is specifically stated that it is designed for unattended operation or has a standby mode. Switch off by withdrawing the plug, make sure your family know how to do this. Special arrangements may need to be made for people with disabilities.

DON'T continue to operate the equipment if you are in any doubt about it working normally, or it is damaged in any way - switch off, withdraw the mains plug and consult your dealer.

WARNING - excessive sound pressure from earphones or headphones can cause hearing loss.

ABOVE ALL - NEVER let anyone, especially children, push or hit the screen, push anything into holes, slots or any other openings in the case.

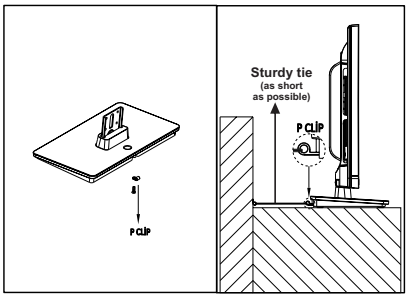
NEVER guess or take chances with electrical equipment of any kind - it is better to be safe than sorry.

THE MAINS PLUG IS USED AS A DISCONNECTING DEVICE AND THEREFORE SHOULD BE READILY OPERABLE.

***Note** : Interactive video games that involve shooting a "gun" type of joystick at the on-screen target may not work with this TV.*

Installation and Important Information

Where to install



"P" Clip position on TV is dependent on model.

** Button and stand style is dependent on model.*

Locate the television away from direct sunlight and strong lights. Soft, indirect lighting is recommended for comfortable viewing. Use curtains or blinds to prevent direct sunlight falling on the screen.

Place the TV on a stable, level surface that can support the weight of the TV. In order to maintain stability and prevent it falling over, secure the TV to a wall using a sturdy tie on the back of the stand.

The LCD display panels are manufactured using an extremely high level of precision technology; however, sometimes some parts of the screen may be missing picture elements or have luminous spots. This is not a sign of a malfunction. Make sure the television is located in a position where it cannot be pushed or hit by objects, as pressure will break or damage the screen. Also, please be certain that small items cannot be inserted into slots or openings in the case.

Avoid using chemicals (such as air refreshers, cleaning agents, etc.) on or near the TV pedestal. Studies indicate that plastics may weaken and crack over time from the combination effects of chemical agents and mechanical stress (such as weight of TV). Failure to follow these instructions could result in serious injury and/or permanent damage to TV and TV pedestal.

Cleaning the screen and cabinet…

Turn off the power, and clean the screen and cabinet with a soft, dry cloth. We recommend that you do not use any proprietary polishes or solvents on the screen or cabinet as this may cause damage.

Please take note

The digital reception function of this television is only effective in the countries listed in the "Country" section during the first time installation menu. Depending on country/area, some of this television's functions may not be available. Reception of future additional or modified services cannot be guaranteed with this television.

If stationary images generated by 4:3 broadcasts, text services, channel identification logos, computer displays, video games, on screen menus, etc. are left on the television screen for any length of time, they could become conspicuous. It is always advisable to reduce both the brightness and contrast settings.

Very long, continuous use of the 4:3 picture on a 16:9 screen may result in some retention of the image at the 4:3 outlines. This is not a defect of the LCD TV and is not covered under the manufacturer's warranty. Regular use of other size modes will prevent permanent retention.

EXCLUSION CLAUSE

Toshiba shall under no circumstances be liable for loss and/or damage to the product caused by:

i) fire;

ii) earthquake;

iii) accidental damage;

iv) intentional misuse of the product;

v) use of the product in improper conditions;

vi) loss and/or damage caused to the product whilst in the possession of a third party;

vii) any damage or loss caused as a result of the owner's failure and/or neglect to follow the instructions set out in the owner's manual;

viii) any loss or damage caused directly as a result of misuse or malfunction of the product when used simultaneously with associated equipment;

Furthermore, under no circumstances shall Toshiba be liable for any consequential loss and/or damage including but not limited to the following, loss of profit, interruption of business, the loss of recorded data whether caused during normal operation or misuse of the product.

Important safety information

• Any function relative to the digital television (with the DVB logo) is available only within the country or area where such signals are transmitted. Verify with the salesperson if it is possible to receive a DVB-T signal in the zone where you live.

• Even if the television conforms to the DVB-T specifications, the compatibility to future digital DVB-T transmissions is not guaranteed.

• Some digital television functions may not be available in some countries.

• The DVB-T system present in this device is FTA (Free to air).

• DVB is a registered trademark of the DVB Project. This logo indicates that the product is compliant with European Digital Broadcasting.

IMPORTANT INFORMATION

TV Installation

• Not standing the televisions on cloth or other materials placed between the television and supporting furniture.

• Educating children about the dangers of climbing on furniture to reach the television or its controls.

• Always hold the plug when disconnecting the unit from the socket outlet. Do not pull on flex. The flex can become damaged and cause a short circuit.

• Use a soft, dry cloth to clean the unit.

• Set up unit so that no one will trip over the flex.

• If you intend to wall mount the unit, contact the shop where you purchased the unit for advice, and leave the installation work to professionals. Improper installation can cause damage and/or injuries.

• To protect the unit during a thunder storm, unplug the AC power cord and disconnect the aerial, cable and satellite decoder/systems etc.

Caution: Do not touch the aerial connector.

• The unit becomes warm when in operation. Do not place any covers or blankets on the unit in order to prevent overheating.

The ventilation holes should not be blocked. Do not set up near radiators. Do not place in direct sunshine.

• Moisture condensation occurs in the following situations:

- When you move the unit from a cold place to a warm place.

- When you use the unit in a room where the heater was just turned on.

- When you use the unit in an area where cold air from an air conditioner directly hits the unit.

- When you use the unit in a humid place.

• Never use the unit when moisture condensation could occur.

• Using the unit when moisture condensation exists may damage its own internal parts. After two or three hours, the unit will warm up and moisture will be evaporated.

Removing the pedestal stand

Please use a wall bracket appropriate for the size and weight of the LCD TV.

• Two people are required for installation.

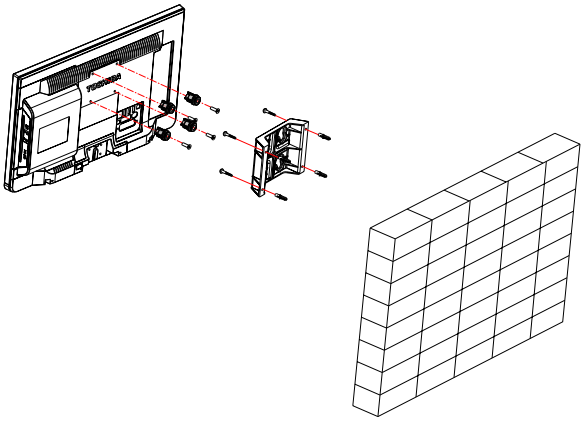
• To install a wall-mount from another manufacturer.

(1) Unplug and remove any cables and/or other component connectors from the rear of the TV.

(2) Carefully lay the front of the unit face down on a flat, cushioned surface such as a quilt or blanket.

(3) Follow the instructions provided with your wall bracket. Before proceeding, make sure the appropriate bracket(s) are attached to the wall and the back of the TV as described in the instructions provided with the wall bracket.

(4) Always use the screws supplied or recommended by the wall mount manufacturer.



Note :

• The bracket shown above is a sample image. The bracket and fixings are not supplied with the TV.

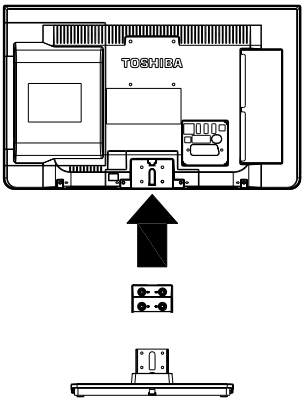
Removing the pedestal stand

(1) Carefully lay the front of the unit face down on a flat, cushioned surface with the stand hanging over the edge.

(2) Remove the screws.

(3) After the screws are removed, hold the pedestal stand in place,then remove the pedestal stand and the plastic moulding from the TV by removing away from the TV.

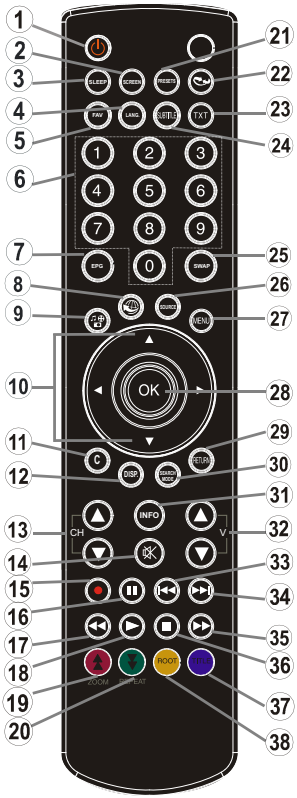
NOTE: Extreme care should always be used when removing the pedestal stand to avoid damage to the LCD panel.



For 24D1333B and 24D1334B models

The Remote Control (TV - DVD)

Simple at-a-glance reference of your remote control.



1. Standby
   Standby
2. Image size
3. Sleep Timer
4. Mono/Stereo - Dual I-II / Currrent Language
   (in DVB channels)
   Language selection (Set language)
5. No function
6. Numeric buttons
   Numeric buttons
7. Electronic programme guide(in DVB channels)
8. No function
9. Media Browser
   Angle
10. Navigation buttons (Up/Down/Left/Right)
    Navigation buttons (Up/Down/ Left/Right)
11. No function
12. No function
    Clear
13. Programme Down / Page up - Programme Up / Page down
    Display time / DVD menu
14. Mute
    Mute
15. No function
16. Pause
    Pause
17. Rapid reverse
    Rapid reverse
18. Play
    Play
19. Red button
    Zoom
20. Green button
    Repeat
21. Picture mode selecion
22. No function
23. Teletext / Mix (in TXT mode)
24. Subtitle on-off (in DVB channels)
    Subtitle
25. Previous programme
26. AV / Source selection
    AV / Source selection
27. Menu on-off
    Menu
28. Okay (Confirm) / Hold (in TXT mode) / Channel List
    OK
29. Exit / Return / Index page (in TXT mode)
    Return
30. No function
    Search Mode
31. Info / Reveal (in TXT mode)
    Info
32. Volume Up / Down
    Volume Up / Down
33. No function
    Skip Previous
34. No function
    Skip Next
35. Rapid advance
    Rapid advance
36. Stop
    Stop
37. Blue button
    Title
38. Yellow button
    Root

Note: *The references in Bold are when in DVD mode.*

Inserting Batteries and Effective Range of the Remote Control

Remove the back cover to reveal the battery compartment and make sure the batteries are inserted the right way round. Suitable battery types for this remote are AAA, IEC R03 1.5V.

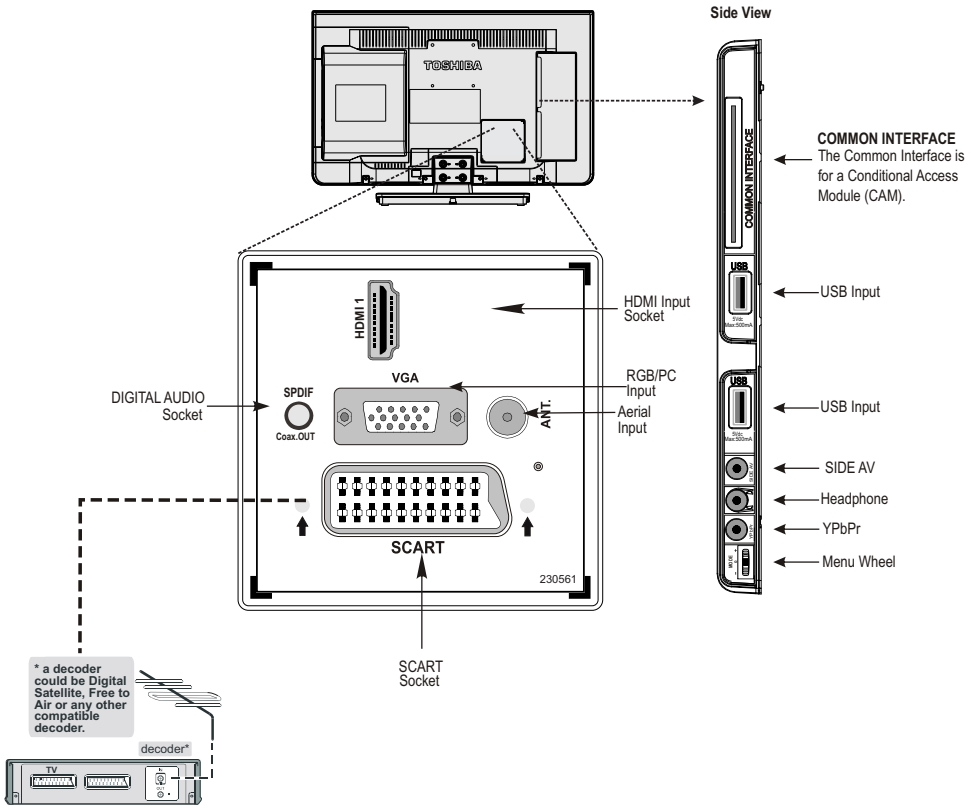
Do not combine a used, old battery with a new one or mix battery types. Remove exhausted batteries immediately to prevent acid from leaking into the battery compartment. Dispose of them in a designated disposal area.

Warning: Batteries must not be exposed to excessive heat such as sunshine, fire or the like.

The performance of the remote control will deteriorate beyond a distance of five metres or outside an angle of 30 degrees from the IR receiver. If the operating range becomes reduced the batteries may need replacing.

Connecting External Equipment

Before connecting any external equipment, remove the mains plug from the wall socket.



Aerial cable:.....

Connect the aerial to the ANT. socket on the rear of the TV.

SCART lead:.....

If you use a **decoder*** or a **media recorder**, it is essential that the scart cable is connected to the TV.

Before running **first time installation**, any connected devices need to be set to standby mode.

The DIGITAL AUDIO socket enables the connection of a suitable surround sound system.

HDMI® (High-Definition Multimedia Interface) is for using with a DVD decoder or other equipment with digital audio and video output. It is designed for best performance with 1080i and 1080p high-definition video signals but will also accept and display VGA, 480i, 480p, 576i, 576p and 720p signals. PC format signals will also be displayed.

NOTE: Although this TV is able to connect to HDMI equipment, it is possible that some equipment may not operate correctly.

When connecting a device via the Side AV input, you must use the supplied connection cable to enable connection.

When connecting a device via YPbPr input, you must use the supplied connection cable to enable connection.

A wide variety of external equipment can be connected to the TV; therefore, the relevant owner's manuals for all additional equipment must be referred to for exact instructions.

If the TV automatically switches over to monitor external equipment, return to normal TV by pressing the desired programme position button. To recall external equipment, press **SOURCE** button repeatedly to switch between sources.

Regardless of source's property, audio output from the DIGITAL AUDIO socket cannot be copied.from the DIGITAL AUDIO socket cannot be copied.

Connecting an HDMI® or DVI Device to the HDMI Input

The HDMI input on your TV receives digital audio and uncompressed digital video from an HDMI source device or uncompressed digital video from a DVI (Digital Visual Interface) source device.

This input is designed to accept HDCP (High-Bandwidth Digital-Content Protection) programme material in digital form from EIA/CEA-861-D–compliant [1] consumer electronic devices (such as a set-top box or DVD player with HDMI or DVI output).

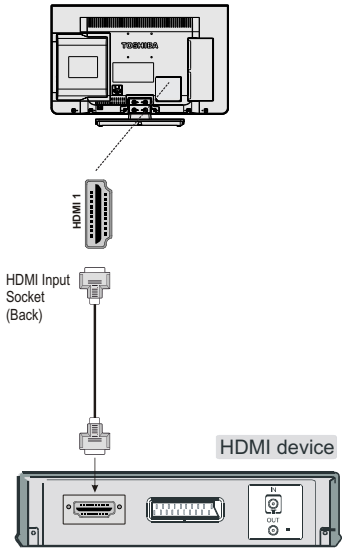
NOTE:

- Some early HDMI equipment may not work properly with your latest HDMI TV.
- Supported Audio format: Linear PCM, sampling rate 32/44.1/48kHz.

To Connect an HDMI Device

Connect an HDMI cable (type A connector) to the HDMI terminal. For proper operation, it is recommended that you use an HDMI cable with the HDMI Logo (HDMI).

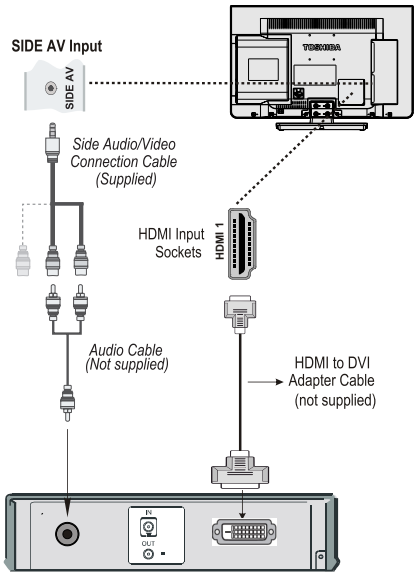
- If your HDMI connection is capable of 1080p and/or your TV is capable of refresh rates greater than 50Hz, you will need a Category 2 cable. Conventional HDMI/DVI cable may not work properly with this mode.
- HDMI cable transfers both video and audio. Separate analogue audio cables are not required (see illustration).
- To view the HDMI device video, press **SOURCE** button to select HDMI1.



To Connect a DVI Device

Connect an HDMI-to-DVI cable (HDMI type A connector) to the HDMI input socket and audio cables to the RED and WHITE SIDE AV AUDIO inputs on the Audio/Video connection cable supplied (see illustration).

- The maximum HDMI-to-DVI cable length is 6.6 ft (2m).
- An HDMI-to-DVI cable transfers video only. Separate analogue audio cables are required.



NOTE:

To ensure that the HDMI or DVI device is reset properly, it is recommended that you follow these procedures:

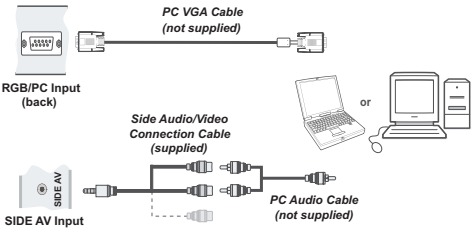
- When turning on your electronic components, turn on the TV first, and then the HDMI or DVI device.
- When turning off your electronic components, turn off the HDMI or DVI device first, and then the TV.

Connecting a Computer

To Connect a Computer

With either an RGB/PC or an HDMI connection, you can watch your computer's display on the TV and hear the sound from the TV's speakers.

When connecting a PC to the RGB/PC input on TV, use an analogue RGB (15-pin) computer cable and use the SIDE AV socket with a PC audio cable (not supplied) for audio connection, using the supplied Side AV connection cable's RED and WHITE inputs (see illustration).



To use a PC, set the monitor output resolution on the PC before connecting it to the TV. To display the optimum picture, use the PC setting feature.

NOTE:

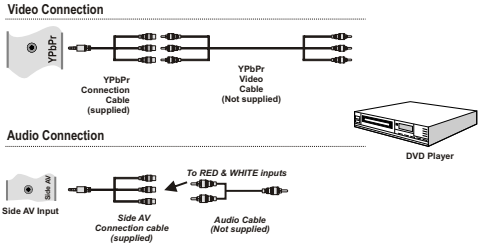
- Some PC models cannot be connected to this TV. An adaptor is not needed for computers with a compatible mini D-sub15-pin terminal.
- Depending on the DVD's title and the specifications of the PC on which you are playing the DVD-Video, some scenes may be skipped or you may not be able to pause during multiangle scenes.

Connecting a DVD Player

Connecting to a DVD Player via YPbPr

Some DVD players are connected through COMPONENT SOCKETS (YPbPr). In this case, you must use the supplied Component YPbPr video connection cable for enabling connection. First, plug the single jack of the cable to the TV's YPbPr socket (side). Afterwards, insert your YPbPr cable's (not supplied) connectors into the plural part of the supplied YPbPr video connection cable (see illustration below). Colours of the connected jacks should match.

To enable audio connection, use the supplied Side AV connection cable. First, plug single jack of the cable to the Side AV Input of the TV. Afterwards, insert your DVD player's audio cable's connectors into the plural part of the supplied Side AV connection cable (see illustration below). Colours of the connected jacks should match.



Connecting a USB Memory

To Connect a USB Flash Drive

- You can connect a USB Flash Drive to your TV by using the USB input of the TV. This feature allows you to display/play music, photo or video files stored in a USB stick.
- It is possible that certain types of USB devices (e.g. MP3 Players) may not be compatible with this TV.
- You may back up your files before making any connections to the TV set in order to avoid any possible data loss. Note that manufacturer will not be responsible for any file damage or data loss.
- Do not pull out USB module while playing a file.

***CAUTION**: Quickly plugging and unplugging USB devices. This may cause damage to the USB device itself.*

Power Save Mode

Environmental Information

This television is designed to consume less energy to save environment. You not only help to save the environment but also you can save money by reducing electricity bills thanks to the energy efficiency feauture of this TV. To reduce energy consumption, you should take the following steps:

You can use Power Save Mode setting, located in the Picture Settings menu. If you set Power Save Mode as **Eco**, the TV will switch to energy-saving mode and luminance level of TV set will be decreased to optimum level. Note that some picture settings will be unavailable to be changed when the TV is in Power Save Mode.

If Picture Off is selected, "**Screen will be off in 3 seconds.**" message will be displayed on the screen. Select **PROCEED** and press **OK** to continue. The screen will be off in 15 seconds. If you disable Power Save Mode, Picture mode will be automatically set to Dynamic.

When the TV is not in use, please switch off or disconnect the TV from the mains plug. This will also reduce energy consumption.

Disconnect power when going away for longer time.

It is highly recommended to activate Power Save Mode setting to reduce your annual power consumption. And also it is recommended to disconnect the TV from the mains plug to save energy more when you do not use.

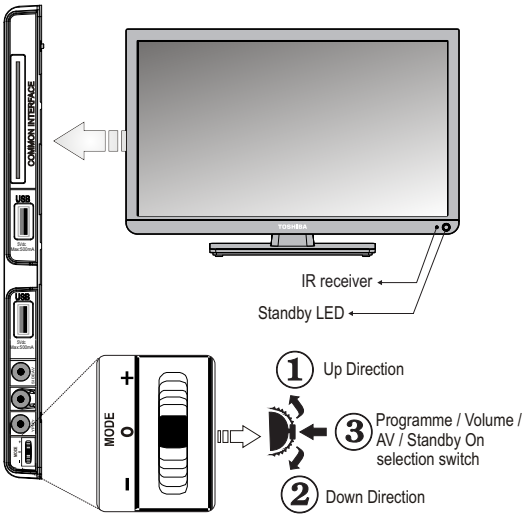
Please helps us to save environment by following these steps.

Repair Information

Please refer all servicing to qualified personnel. Only qualified personnel must repair the TV. Please contact your local dealer, where you have purchased this TV for further information.

Controlling the TV

A wide variety of external equipment can be connected via the sockets located on the side and back of the TV. *Whilst all the necessary adjustments and controls for the TV are made using the remote control, the Menu Wheel on the left side of the TV may be used for some functions.*



Switching on

If the standby LED is unlit, check that the mains plug is connected to the power and press the middle of the button on the left side of the TV to switch the television on.

To put the television into Standby, press ⏻ button on the remote control. To view the television, press ⏻ button again. The picture may take a few seconds to appear.

***Note**: The active Standby LED colour will turn to red in a few moments when the TV is switched off.*

For energy saving:

Turning the TV off at its mains supply, or un-plugging it, will cut energy use to nearly zero for all TV's. This is recommended when the TV is not being used for a long time, e.g. when on holiday.

Reducing the brightness of the screen will reduce energy use. Energy efficiency cuts energy consumption and thus saves money.

***NOTE**: Putting the TV into standby mode, will reduce energy consumption.*

Using the Remote Control

Press the **MENU** button on the remote control to see the menus.

The main menu appears as a group of icons each for a menu option. Press the Left or Right button to select a topic.

In sub menu screen mode the menu appears as a list. Press the Up or Down button to select a topic.

To use the options press the Up and Down buttons on the remote control to move up and down through them and **OK**, Left or Right buttons to select the required choice. Follow the on screen instructions. The functions of each menu are described in detail throughout the manual.

Using the Controls on the TV

Using the menu wheel on the side of the TV:

To change volume: Press the middle button until the volume level OSD appears. Increase the volume by pushing the button up. Decrease the volume by pushing the button down.

To change channel: Press the middle button until the channel information banner appears. Scroll through the stored channels by pushing the button up or down

To change source: Press the middle button until the source list appears. Scroll through the available sources by pushing the button up or down.

To turn the TV off: Press the middle of the button down and hold it down for a few seconds, the TV will turn into standby mode.

Please always refer to the owner's manual of the equipment to be connected for full details..

Initial Installation

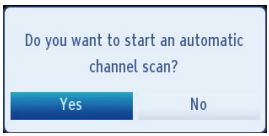
Before switching on the TV, put your decoder and media recorder to **Standby** if they are connected and ensure the aerial is connected to your TV. To set up the TV, use the buttons on the remote control as detailed on ***page 8***.

IMPORTANT: Ensure that the aerial is connected and a Common Interface module is not inserted before switching on the TV for the first time installation.

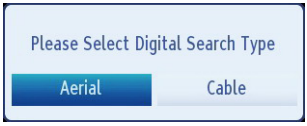
1. Connect the mains plug and switch the TV to on on using the side control switch. If the TV does not switch on, press any numbered or ⏻ button on the remote control, then the language selection menu will be displayed. This screen will appear the first time that the TV is switched on and each time the TV is reset.

2. By pressing **Up** or **Down** button, highlight the language you want to set and press **OK** button. The following message will be displayed next:

3. By pressing **Left** or **Right** button, select the **country** you want to set and press **Down** button to highlight the **Search Type** option. Use **Left** or **Right** to set the desired search type. Available search types are digital only, analog TV only and full.
4. When set, **Down** buton to select Teletext Language. Use **Left** or **Right** button to select desired Teletext Language.
5. Press **OK** button on the remote control to continue and the following message will be displayed on the screen:



6. Select **Yes** button by using **Left** or **Right** button and press **OK** button to continue. Afterwards, the following OSD will be displayed on the screen:



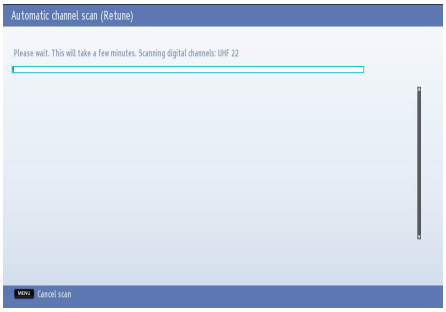
7. If you select **Cable** option, the following screen will be displayed:

Note: *Although this cable feature can be selected, it is not fully supported in the UK. If cable signals are input to this TV from a Cable Network Provider some may be displayed.*

8. You can select frequency ranges from this screen. For highlighting lines you see, use **Up** or **Down** button. You can enter the frequency range manually by using the numeric buttons on the remote control. Set Start and Stop Frequency as desired by using numeric buttons on the remote control. After this operation, you can set Search Step as 8000 kHz or 1000 kHz. If you select 1000 kHz, the TV will perform search process in a detailed way. Searching duration will thus increase accordingly. When finished, press **OK** button to start automatic search.

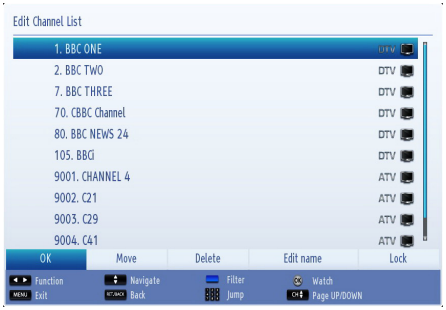
Initial Installation - continued

9. If you select **Aerial** option from the Search Type screen, the television will search for broadcasts.
10. The Auto tuning screen will appear and the television will start to search for available stations. The progress bar will move along the line. You must allow the television to complete the search. The following OSD will be displayed on the screen and the television will search for the selected broadcasts:


Automatic channel scan (Retune)
Please wait. This will take a few minutes. Scanning digital channels: UHF 22
MENU Cancel scan

Note*: *You can press MENU button to cancel.

After the available stations are stored, Channel List will be displayed on the screen.



- Press **OK** button to quit channel list and watch TV.

***Note*:**

Do not turn off the TV while initializing first time installation.

Keep the menu of Store Mode Disabled and do not change it, when using at home.

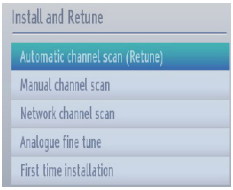
- Press the **Left** or **Right** button to choose the required language region.
- After the Teletext language is selected, press **MENU** button to exit.

Auto Tuning

Auto Tuning

As new services are broadcast, it will be necessary to retune the television in order to view them.

- Auto Tuning will completely retune the television and can be used to update the channel list. It is recommended that Auto Tuning is run periodically to ensure that all new services are added. All current channels and settings, i.e. locked channels, will be lost.
- Press **MENU** button on the remote control and select **Install and Retune** by using **Left** or **Right** button. Press **OK** button and the following menu screen will be displayed.



- Select **Automatic Channel Scan (Retune)** by using **Up** or **Down** button and press **OK** button. Automatic Channel Scan options will be displayed. You can select options by using **Up** or **Down** and **OK** buttons.

Auto Channel Scan Menu Operation

***Digital:** Searches and stores aerial DVB stations.*

***Analogue:** Searches and stores analogue stations.*

***Full:** Searches and stores both analogue and DVB aerial stations and both analogue and DVB cable stations.*

- Whenever you select an automatic search type and press **OK** button, a confirmation screen will appear on the screen. To start installation process, select **Yes**, to cancel select **No** by using **Left** or **Right** and **OK** button.
- After auto channel scan type is set and selected and confirmed, installation process will start and progress bar will move along. Press **MENU** button to cancel process. In such a case, located channels are not stored. The television will start to search for all available stations. You must allow the television to complete the search.

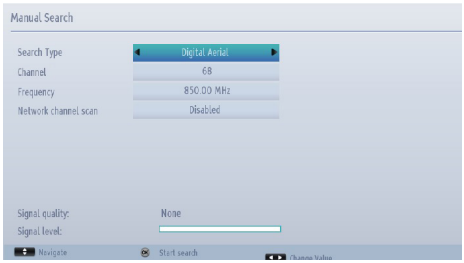
Manual Tuning, Fine Tuning

The television can be tuned-in manually using Manual Search feature.

Digital Aerial Manual Search

The feature is available for service engineers or can be used for direct channel entry if the multiplex channel is known.

- Select **Manual channel scan** from the **Install and Retune** menu and press **OK.**

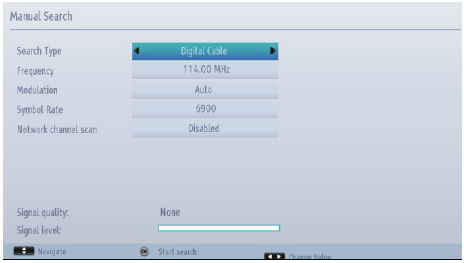


After selecting search type as **Digital Aerial**, you can enter the multiplex or frequency number using the numeric buttons and press **OK** button to search.

- Enter the multiplex number using the numeric buttons. The television will automatically search for that multiplex. When the multiplex is found any channels not currently on the programme list will be added and the programme information at the top of the screen will be updated.
- Repeat as necessary.

Digital Cable Manual Search

- In cable manual scan, you can enter frequency, modulation, symbol rate and network channel scan options. After selecting search type as **Digital Cable**, you can set the desired options and press **OK** button to search.



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Re-tune Section

Re-tuning: TOSHIBA Freeview Products

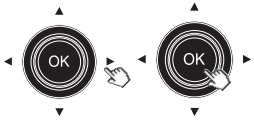
Toshiba Digital TV

This guide can be used to help you re-tune the following product with the remote control below.

Make sure your TV is on and a digital channel is selected

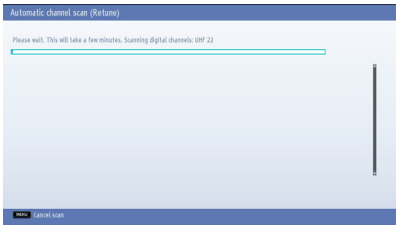
1) Press **MENU** and press ◄ or ► to select **Install and Retune** and press **OK**. Press ▲ or ▼ to select **Automatic channel scan (Retune)** to start the process.

2) Select the desired search mode using ► and press **OK** button.



3) Whenever you select an automatic search type and press **OK** button, a confirmation screen will appear on the screen. To start installation process, select **Yes** by using ◄ or ► and **OK** button.

4) After auto channel scan type is set and selected and confirmed, installation process will start and progress bar will move along. The television will start to search for all available stations. You must allow the television to complete the search.



** This retune process may affect any saved information stored on your product. Please consult your on-line web manual or contact the Toshiba support as detailed below.*

General Operation

Stereo and Bilingual Transmissions

If stereo or dual language broadcasts are transmitted, the word Stereo or Dual will appear on the screen each time positions are changed, disappearing after a few seconds. If the broadcast is not in stereo, the word Mono will appear.

Stereo… Press **LANG.** to select Stereo or Mono.

Bilingual… Bilingual transmissions are rare. If they are transmitted, the word Dual will be displayed. Choose the required programme number, and if the word Dual appears, press **LANG.** to select Dual 1, Dual 2 or Mono.

For DTV broadcasts

To view current language and for changing to an alternative language (if available), press **LANG.** button. Available options will be listed.

Displaying Subtitles

In digital broadcasts, this feature will show subtitles on the screen in the selected language provided they are being broadcast.

Press **SUBTITLE** button to activate available subtitles. Press **SUBTITLE** button again to turn off subtitles.

Viewing Main Menu

• This set has “Menu Wheel”.

• Press **MENU** button on the remote control to view main menu.

Controlling Volume and Muting Sound

Volume

Press **V▲** or **V▼** button on the remote control to adjust the volume.

Sound Mute

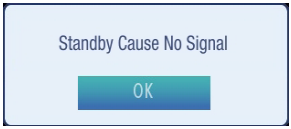
Press “🔇” button once to turn the sound off and again to cancel.

Selecting Programme Positions

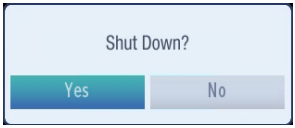
To select a programme position use the numeric buttons on the remote control. Programme positions can also be selected using **CH▼** or **CH▲** buttons. Press **INFO** button to display the on-screen information i.e. programme position, stereo/mono signal and picture format.

Standby Notifications

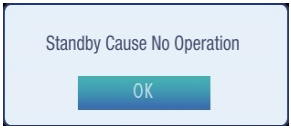
If the TV switches off while in No Signal mode, the following on-screen message will be displayed on the next switch-on:



When the Auto Tv Off timeout is reached, the following message will be displayed on the screen. Select YES to shut down the TV. Select NO to cancel. The TV will switch off as well, if you do not make a selection on this screen.



If the TV switches off owing to the auto power down feature, the following on-screen message will be displayed on the next switch-on:



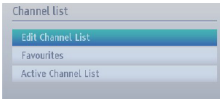
Channel List, Sorting Programmes, Programme Locking

You can view stored channels and sort them by using the Channel List feature.

Viewing Channel List

The channel order may be changed to suit your personal preference.

- Select **Channel List** from the main menu and press **OK** button. The following menu will be displayed:



- Select **Edit Channel List** to manage all stored channels. Use **Up** or **Down** and **OK** buttons to select **Edit Channel List**.

- Press **Up** or **Down** button for selecting a channel. You can press **CH▼** or **CH▲** button to move page up or page down.
- To watch a specific channel, highlight it by using **Up** or **Down** button. Afterwards press **OK** button.
- Press **BLUE** button to view filtering options.
- Press **MENU** button to exit.

***Note**: The channels listed are mixed at the channel list. Channel types can be differentiated by the icons next to them: DTV (digital tv), HD (HD TV) ,TV (TV), RD (Radio), encrypted, lock, and at the favourite list. Listed channels can also be sorted by using the active channel list filter.*

Moving a Channel

- Highlight the desired channel by using **Up** or **Down** button.
- Select Move option in the channel list and press **OK** button.
- Edit Number screen will be displayed. Enter the desired channel number by using the numeric buttons on the remote control. If there is a previously stored channel on that number, a warning screen will be displayed. Select Yes if you want to move the channel and press **OK**.
- Selected channel is now moved.

Deleting a Channel

*You can press **GREEN** button to tag/untag all channels; **YELLOW** button to tag/untag channel.*

- Select the channel that you want to delete and select **Delete** option. Press **OK** button to continue.
- A warning screen will appear. Select **Yes** to delete, select **No** to cancel. Press **OK** button to continue.

Renaming a Channel

- Select the channel that you want to rename and select **Edit Name** option. Press **OK** button to continue.
- Pressing **Left** or **Right** button moves to the previous/ next character. Pressing **Up** or **Down** button changes the current character. Pressing the numeric buttons '**0...9**' replaces the highlighted character with the characters printed above the button one by one as the button is pressed.
- When finished, press **OK** button to save. Press **MENU** to cancel.

Locking a Channel

*You can press **GREEN** button to tag/untag all channels; **YELLOW** button to tag/untag a single channel.*

- Select the channel that you want to lock by using **Up** or **Down** button.
- Select **Lock** option by using **Left** or **Right** button. Press **OK** button to continue.
- You will be asked to enter parental control PIN. Enter the PIN number.

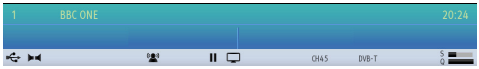
Note: Default PIN is set to 0000.

- Press **OK** button when the desired channel is highlighted to lock/unlock the channel. Lock symbol will be displayed next to the selected channel.

Viewing Info Banner, Electronic Programme Guide

Viewing Info Banner

- Press **INFO** button. The information screen will appear giving details of the channel and programme currently being viewed.



- Whenever you change channel, the TV displays the broadcast picture along with an information banner at the bottom of the screen (available only in DTV mode). This will remain on the screen for a few seconds.
- If the selected channel is locked, you must enter the correct four numeric code to view the channel. “Enter PIN” will be displayed on the screen in such a case:

- Enter the 4-digit PIN number to continue.

Note: Factory set default PIN code is 0000. It is not available for France country setting.

Electronic Programme Guide

- Select the on-screen guide by pressing **EPG** button, the guide screen will appear highlighting details of the channel and programme currently being viewed. This may take a few moments to appear.

- For details of other programmes currently available, press **navigation buttons** to scroll up and down or scroll left/right through the list. As channels are selected, details of the programme currently being broadcast will appear.
- Press **RED** button to view the previous day.
- Press **GREEN** button to view the next day.
- Press **YELLOW** button for zooming to a programme.
- Press **BLUE** button to display filtering options.
- Press **SUBTITLE** button to sort channels by a genre.
- For information on a highlighted programme, press **i** button.
- Use **numeric buttons** for quickly selecting a broadcast.
- To set the timer for a selected programme, press **OK** button to select **Options** menu.
- Press **TXT** button to display searching options.
- Press **SWAP** button for displaying current programmes.

Language Selection

Language Settings

Using this menu you can adjust the preferred language settings.

- Press **MENU** button and select **Settings** by using **Left** or **Right** button.
- Select Language from setup menu and press **OK** to view this menu. Press the **RETURN** button on the remote control to exit.

Preferred

These settings will be used if available. Otherwise the current settings will be used.

Audio: by pressing **Left** or **Right** button change the audio language.

Subtitle: alter the subtitle language with **Left** or **Right** button. The chosen language will be seen in subtitles.

Teletext: changes the preferred teletext language.

Guide: By pressing **Left** or **Right** button change the guide language.

Current

Audio: if audio language is supported, change the audio language by pressing **Left** or **Right** button.

Subtitle: if subtitle is backed up, alter the subtitle language with **Left** or **Right** button. The chosen language will be seen in subtitles.

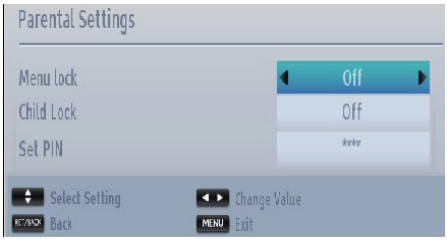
Digital Settings - Parental Control, Menu Lock, Set PIN

You can view or set parental preferences of your TV.

Viewing Parental Control Menu

Press **MENU** button and select the **Settings** by using **Left** or **Right** button. Press **OK** button to view Settings menu. Use **Up** or **Down** button to highlight **Parental** and press **OK** to continue:

- A dialogue box asking for the lock key will be displayed. The default key is set to **0000**. Enter the PIN.
- If it is incorrect, "**Wrong PIN**" OSD will be displayed. If it is correct, the Parental Control menu will be displayed:



Menu Lock

In Menu lock you can set locking for All menus, or the Installation menu to restrict access to these menus. If the menu lock is disabled, there will be free access to the menu system.

- Use **Up** or **Down** buttons to go to Menu Lock option. Use **Left** or **Right** buttons to choose Menu Lock Mode.

OFF : All menus are unlocked.

ALL MENUS : All Menus are accessible only with the correct lock key. So the user cannot add, delete, rename, channels, cannot set timers.

INSTALLATION MENU: Installation menu is locked. So the user can't add channels.

Note: Factory set default PIN code is 0000. It is not available for France country setting.

Child Lock

Press **MENU** button and select **settings** by using Left or Right button. Press **OK** to continue. Use Up or Down to select **parental** and then press **OK** to continue. Enter the pin number. Child Lock disables the buttons on the television. All buttons on the remote control can still be used.

Set PIN

- Use **Up** or **Down** buttons to select **Set PIN** option. Press **OK** to display the **Set PIN** window.
- Use numeric buttons to enter new pin number. You will need to input your new pin a second time for verification purposes.
- After typing correct PIN numbers, PIN number will be changed.

***Note:** The factory default pin number is 0000, if you change the pin number make sure you write it down and keep it safe.*

Configuring Picture Settings

You can configure picture settings of your TV by using Picture Settings menu.

Configuring Picture Settings

You can use different picture settings in detail. You can customize current picture mode settings as desired. For example, you can change items such as, Brightness, Contrast, Colour, Sharpness and Hue.

Press **MENU** button and select Picture by using **Left** or **Right** button. Press **OK** button to view Picture Settings menu.

Operating Picture Settings Menu Items

- Press **Up** or **Down** button to highlight a menu item.
- Use **Left** or **Right** button to set an item.
- Press **MENU** button to exit.

Picture Mode

This TV offers the choice of personalising the picture style. **Natural, Cinema**, **Game, Sports**, and **Dynamic** are preset options and affect settings within the TV. Press **MENU** button and select **Picture** by using **Left** or **Right** button. Press **Up** or **Down** button to select **Mode**.

• In the **Picture Settings** menu, press **Up** or **Down** button to select **Mode**. Press **Left** or **Right** button to select the picture mode you prefer.

Contrast

Sets the lightness and darkness values of the screen. Press **MENU** button and select **Picture** by using **Left** or **Right** button. Press **Up** or **Down** button to select **Contrast**.

Brightness

Sets the brightness value for the screen. Press **MENU** button and select **Picture** by using **Left** or **Right** button. Press **Up** or **Down** button to select **Brightness**.

Sharpness

Sets the sharpness value for the objects displayed on the screen. Press **MENU** button and select **Picture** by using **Left** or **Right** button. Press **Up** or **Down** button to select **Sharpness**.

Colour

Sets the colour value, adjusting the colours. Press **MENU** button and select **Picture** by using **Left** or **Right** button. Press **Up** or **Down** button to select **Colour**.

Power Save Mode

Enables or disables the power save mode. Use **Up** or **Down** button to select Power Save Mode. Press **Left** or **Right** button to set **Power Save Mode** as **Disabled**, **Eco** or **Picture Off**. See the section, *Environmental Information* in this manual for further information on **Power Save Mode**.

Note: The backlight function will be inactive if Power Save Mode is set to on.

Backlight (optional)

This setting controls the backlight level and it can be set to Auto, Maximum, Minimum and Medium.

Note: Backlight can not be activated in VGA or Media Browser mode or while picture mode is set as Game.

Noise Reduction

Sometimes some words or picture elements may become distorted or pixelated. Using the Noise Reduction feature reduces this effect by smoothing out the edges. Press **MENU** button and select **Picture** by using **Left** or **Right** button. Press **Up** or **Down** button to select **Noise Reduction**.

Advanced Settings

Some additional controls in the picture menu are grouped under the title **Advanced Settings**. To view or change, first press **Up** or **Down** button to select **Advance Settings**. Press **OK** button to view. **Advanced Settings** menu controls are as the following:

Configuring Picture Settings - continued

Dynamic Contrast: You can change contrast rate by using dynamic contrast function. Dynamic contrast can be set to one of these options: **Low**, **Medium**, **High** or **Off.**

Colour Temp: Colour Temperature increases the 'warmth' or 'coolness' of the picture by increasing the red or blue tint.

Picture Zoom: Sets the picture size to **Auto**,**16:9**, **Subtitle,14:9**, **14:9 Zoom**, **4:3** or **Cinema.** Press **MENU** button and select **Picture** by using **Left** or **Right** button. Press **Up** or **Down** button to select **Picture Zoom**.

Full Mode (optional): If you connect a device via HDMI or YPbPr connectors and set 1080i/1080p resolutions, Full Mode item will be visible.

HDMI True Black (optional): While watching from HDMI source, this feature will be visible in the Picture Settings menu.

You can use this feature to enhance blackness in the picture. You can set this feature as "On" for activating HDMI True Black mode.

Note: *HDMI True Black On/Off feature functions only when the HDMI device output is set to RGB.*

Film Mode (optional): Films are recorded at a different number of frames per second to normal television programmes.Press "▼" or "▲" buttons to select Film mode. Press "◀" or "▶" buttons to set this feature Auto or Off. Turn this feature to Auto when you are watching films to see the fast motion scenes clearly.

Skin Tone: Adjust the desired skin tone.

Colour Shift: Adjust the desired colour tone. Press **MENU** button and select **Picture** by using **Left** or **Right** button. Press **Up** or **Down** button to select **Colour Shift**.

RGB Gain: Press **OK** button to edit RGB gain. You can configure the colour temperature values using the RGB Gain feature.

Reset

This feature allows you to reset the current Picture Settings to the default values. Press **MENU** button and select **Picture** by using **Left** or **Right** button. Press **Up** or **Down** button to select **Reset** and press **OK** button.

Note: *The reset function does not reset the settings for Mode, Colour Temp, Noise Reduction, Picture Zoom and HDMI True Black.*

Changing Picture Format

Press **SCREEN** button repeatedly to select between **Auto(*), 16:9, Subtitle, 14:9, 14:9 Zoom, 4:3** or **Cinema.**

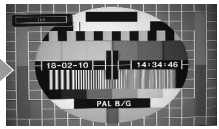
Note: *Using the special functions to change the size of the displayed image (i.e. changing the height/width ratio) for the purposes of public display or commercial gain may infringe on copyright laws.*

Note: *You can shift to screen up or down by pressing "▲"/"▼" buttons while picture zoom is selected as 14:9 Zoom, Cinema or Subtitle.*

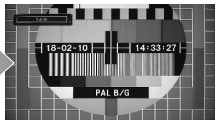
(*) When AUTO is selected, the aspect ratio of the screen is adjusted by the information provided by the selected source (if available). The format being displayed in AUTO mode is completely independent of WSS information which could be included in the broadcast signal or the signal from an external device.

Note: Auto mode will only be available in HDMI, YPbPr and DTV.

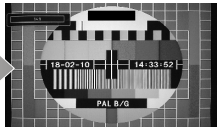
16:9 *Use this setting when watching a widescreen DVD, widescreen video tape or a 16:9 broadcast (when available). Due to the range of widescreen formats (16:9, 14:9 etc.) black bars may be visible on the top and bottom of the screen.*



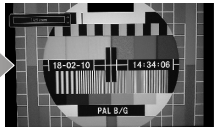
Subtitle *When subtitles are included on a letterbox format broadcast, this setting will raise the picture to ensure that all the text is displayed.*



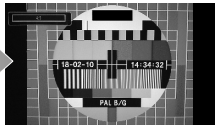
14:9 *This zooms up the wide picture (14:9 aspect ratio) to the upper and lower limits of the screen*



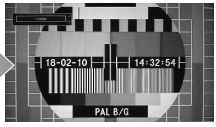
14:9 Zoom *This option zooms to the 14:9 picture.*



4:3 *Use this setting to view a true 4:3 broadcast.*



Cinema *This zooms up the wide picture (16:9 aspect ratio) to the full screen.*



Note: Picture Zoom feature is not available for Radio channel and teletext screen.

Configuring PC Picture Settings

PC Picture Settings (*)

(*) *While in VGA/PC mode, some items in Picture menu will be unavailable. Instead, VGA mode settings will be added to the Picture Settings while in VGA/PC mode.*

PC Picture controls

Contrast, Brightness and Colour Temperature adjustments in this menu are identical to adjustments defined in TV picture menu.

Select **Reset** and press **OK** button to reset the adjustments.

Note:

*For switching to **VGA/PC** source, press **SOURCE** button on your remote control and select VGA/PC input.*

Note that VGA/PC mode menu settings are available only while the TV is in PC source.

PC Position

Select this to display PC position menu items.

Autoposition

If you shift the picture horizontally or vertically to an unwanted position, use this item to put the picture into correct place automatically.

- Select the **PC Position** option from the main menu. Press **OK** to display the **PC Position** submenu.
- Press the **Down** button to highlight **Autoposition** and then press the **OK** button.

H Position

H (Horizontal) Position shifts the image horizontally to right hand side or left hand side of the screen.

- In the **PC Position** menu press the **Down** button until **H Position** is highlighted.
- Press the **Left** or **Right** button to adjust the value.

V Position

V (Vertical) Position shifts the image vertically towards the top or bottom of the screen.

In the **PC Position** menu press the **Down** button until **V Position** is highlighted.

Press the **Left** or **Right** button to adjust the value.

Dot Clock

Dot Clock adjustment corrects the interference that appear as vertical banding in dot intensive presentations like spreadsheets or paragraphs or text in smaller fonts.

- In the **PC Position** menu press the **Down** button until **Dot Clock** is highlighted.
- Press the **Left** or **Right** button to adjust the value.

Phase

Depending on the resolution and scan frequency that you input to the TV Set, you may see a hazy or noisy picture on the screen. In such a case you can use this item to get a clear picture by trial and error method.

- In the **PC Position** menu press the **Down** button until **Phase** is highlighted.
- Press the **Left** or **Right** button to adjust the value.

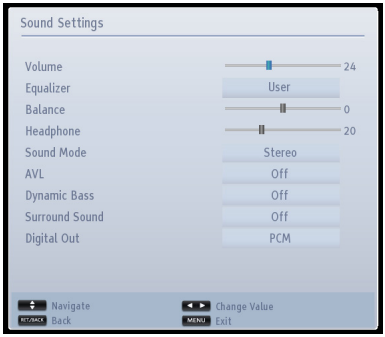
Configuring Sound Settings

You can configure sound settings of your TV by using Sound Settings menu.

Configuring Sound Settings

Sound settings can be configured according to your personal preferences.

Press **MENU** button and select **Sound** by using **Left** or **Right** button. Press **OK** button to view Sound Settings menu.



Operating Sound Settings Menu Items

- Press **Up** or **Down** button to highlight a menu item.
- Use **Left** or **Right** button to set an item.
- Press **MENU** button to exit.

Volume

Press **MENU** button and select **Sound** by using **Left** or **Right** button. Press **OK** button to continue.

Select **Volume** using **Up** or **Down** button and then use **Left** or **Right** button to set volume level.

Equalizer (Only for speaker)

*You can customize current sound mode settings. Select the appropriate mode in accordance with the installation location of the TV and adjust the equalizer on-screen as desired. Press **OK** button to view equalizer submenu.*

In equalizer menu, the preset can be changed to **Music**, **Movie**, **Speech**, **Flat**, **Classic** and **User**. Press the **MENU** button to return to the previous menu.

***Note**: Equalizer menu settings can be changed manually only when the **Equalizer Mode** is in **User**.*

Balance (Only for speaker)

This setting is used for emphasizing left or right speaker balance.

- Press **Left** or **Right** button to change the level of the balance. Balance level can be adjusted between **-31** and **+31**.

Headphone

This setting is used to set the sound output when headphones are connected.

- Press **Up** or **Down** button to select **Headphone**.
- Press **Left** or **Right** button to select Volume. Press **Right** button to increase headphone volume level. Press **Left** button to decrease headphone volume level. Headphone volume level can be adjusted between 0 and 63.

Sound Mode

This setting is used to set the sound mode. Higlight **Sound Mode** by using **Up** or **Down** button. Press **Left** or **Right** button to set.

You can select Mono, Stereo, Dual I or Dual II mode, only if the selected channel supports that mode.

AVL

Sometimes there can be large changes in volume when switching from a DTV 5.1ch to a DTV 2ch, an ATV channel, or an external input. Using the AVL feature reduces these volume differences.

- In the **Sound** menu, press **Up** or **Down** to highlight **AVL**. Press **Left** or **Right** button to set AVL as On or Off.

Dynamic Bass

Dynamic Bass is used to increase bass effect of the TV set.Press **MENU** button and select **Sound** by using **Left** or **Right** button. Press **OK** button to continue. Select **Dynamic Bass** using **Up** or **Down** buttons and press **Left** or **Right** button to set.

Surround Sound

- In the **Sound** menu, press **Up** or **Down** to highlight **Surround Sound**. Press **Left** or **Right** button to set Surround Sound as On or Off.

Digital Out

This setting enables you to set **Digital Out** preference as **Compressed** or **PCM**. You should set this feature in accordance with the received broadcast's content. Press **MENU** button and select **Sound** by using **Left** or **Right** button. Press **OK** button to continue.

Select **Digital Out** using **Up** or **Down** button and then use **Left** or **Right** button.

Settings Menu Operation, Conditional Access

Configuring Your TV's Settings

Detailed settings can be configured to suit your personal preferences.

Viewing Settings Menu

Press **MENU** button and select **Settings** by using **Left** or **Right** button. Press **OK** button to view Settings menu.

Operating Settings Menu Items

- Press **Up** or **Down** button to highlight a menu item.
- Press **OK** button to select an item.
- Press **MENU** button to exit.

Conditional Access

This setting controls conditional access modules when available. Select **Settings** from the main menu by using **Left** or **Right** button and press **OK** button. Afterwards, use **Up** or **Down** button to set **Conditional Access**. Press **OK** button to continue.

Language

Configures language settings. See page 22.

Parental

Configures parental settings. See page 23.

Timers

Sets timers for selected programmes. See page 30.

Date/Time

You can configure date/time preferences by using this menu screen. See page 30.

Sources

Enables or disables selected source options. See page 31.

Other Settings

Displays other setting options of the TV set.

Using a Conditional Access Module

The Common Interface Slot, situated on the side of the television, enables the insertion of a CAM (Conditional Access Module) and card. These are purchased from a service provider and allow additional subscription broadcasts to be viewed. For more information, see a service provider.

IMPORTANT: Inserting or removing the CAM is only when the TV is SWITCHED OFF.

- In order to watch certain digital channels, a conditional access module (CAM) is necessary. This module must be inserted in the CI slot of your TV.
- Obtain the Conditional Access Module (CAM) and the viewing card by subscribing to a pay channel company, then insert those to the TV using the following procedure.
- Insert the CAM and then the viewing card to the slot that is located in the terminal cover at the rear side of the TV.
- The CAM should be correctly inserted, it is impossible to insert fully if reversed. The CAM or the TV terminal may be damaged if the CAM is forcefully inserted.

Connect the TV to the mains supply, switch on and then wait for few moments until the card is activated.

- When no module is inserted, "**No Common Interface module detected**" message appears on the screen.
- Refer to the module instruction manual for details of the settings.

Viewing Conditional Access Menu (*)

***(*)** These menu settings may change depending on the service provider.*

Press **MENU** button and select **Settings** by using **Left** or **Right** button. Press **OK** button to view Settings menu. Use **Up** or **Down** button to highlight **Conditional Access** and press **OK** to view menu items.

Setting Timers, Setting Date/Time

Timers

*To view Timers menu, press **MENU** button and select **Settings** by using **Left** or **Right** button. Press OK button to view Settings menu. Use **Up** or **Down** button to highlight **Timers** and press **OK** to continue:*

Setting Sleep Timer

The television can be set to turn itself Off after a certain length of time.

- Highlight **Sleep Timer** by using **Up** or **Down** button.
- Use **Left** or **Right** button to set. The timer can be programmed between **Off** and **2.00** hours (120 minutes) in steps of 30 minutes.

Setting Programme Timers

This feature will set the television to go to a specific channel at a certain time. It can be used to view a particular programme, or by setting the mode to daily or weekly, can be used to view a series of programmes.

Press **Down** button to set timers on an event. Programme timer function buttons will be displayed on the screen.

***Note:** That this feature will be available only when a timer has been programmed.*

Adding a Timer

- Press **YELLOW** button on the remote control to add a timer. The following menu appears on the screen:

Channel: Changes channel by using **Left** or **Right**.

Timer/Record Type: This feature is unavailable to be set.

Date: Enter a date using the numeric buttons.

Start: Enter a starting time using the numeric buttons.

End: Enter an ending time using the numeric buttons.

Duration: Displays duration between the starting and ending time.

Repeat: Sets a timer to be repeated as Once, Daily or Weekly. Use **Left** or **Right** button to select an option.

Change/Delete: Controls parental settings on timers.

- Press **GREEN** button to save the timer. Press **RED** button to cancel.

Editing a Timer

- Select the timer you want to edit by pressing **Up** or **Down** button.
- When finished with editing, press **GREEN** button to save. You can press **MENU** button to cancel.

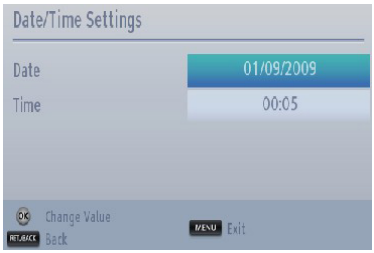
Deleting a Timer

- Select the timer you want to delete by pressing **Up** or **Down** button.
- Press **RED** button.
- Select **Yes** by using **Left** or **Right** button to delete the timer. Select **No** to cancel.

Configuring Date/Time Settings

You can configure date/time preferences by using this menu screen.

- Select **Date/Time** in the Settings menu to configure Date/Time settings. Press **OK** button.



Use ▲ or ▼ button to highlight the Time Settings Mode. Time Settings Mode is set using ◀ or ▶ button. It can be set to AUTO or MANUAL.

When AUTO is selected, Date/Time and Time Zone options will not be available to be set. If MANUAL option is selected as the Time Zone can be altered:

- By pressing ▲ or ▼ button select Time Zone.

Use ◀ or ▶ button to change the Time Zone between GMT-12 or GMT+13. Date/Time on the top of the menu list will then change according to the selected Time Zone.

***Note:** For countries without Digital channels, only the Date and Time option will be displayed.*

Source Settings, Other Controls

Configuring Source Settings

*You can enables or disable selected source options. The TV will not switch to the disabled source options when the **SOURCE** button is pressed.*

- Select **Sources** in the **Settings** menu and press **OK** button.
- Press **Up** or **Down** buttons to select a source.
- Use **Left** or **Right** button to enable or disable the selected source. Changes are automatically stored.

Input Selection

Use the Input Selection window if the television does not switch over to a connected source automatically.

• Press **SOURCE** button on your remote control for directly changing sources. Use the **Up** or **Down** button to highlight an input and press **Right** button to select.

Configuring Other Settings - General

*You can configure the settings of your TV. Select **Settings** from main menu and press **OK** to view the Settings menu. Press the **MENU** button on the remote control to exit.*

To view general configuration preferences, select **Other Settings** in the Settings menu and press **OK** button.

Operation

- Press **Up** or **Down** button to select an item.
- Use **Left** or **Right** button to set an option.
- Press **OK** button to view a sub-menu.

Menu Timeout

To set a specific display timeout for menu screens, set a value for this option.

In the **Other Settings** menu, select **Menu Timeout** and choose **15 sec**, **30 sec** or **60 sec** using **Left** or **Right** button.

Scan Encrypted Channels

When this setting is on, search process will locate the encrypted channels as well. If it is set as OFF manually, encrypted channels will not be located while in automatic search or manual search. Scan Encrypted Channel feature will always be ON after performing first time installation.

- In the **Other Settings** menu, use **Up** or **Down** button to select **Scan Encrypted**.
- Press **Left** or **Right** button to set this function as **Yes** or **No**.

Other Controls - continued

Blue Background

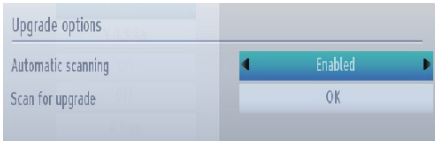
If the signal is weak or absent, the TV will automatically change to a blue screen. To enable this, set Blue Background to On.

- In the **Other Settings** menu, select **Blue Background** and choose On or Off using **Left** or **Right** button.

Software Upgrade

This feature helps to keep your TV updated. It works automatically and searches for new information when available. Note that this setting is inactive to be modified.

To ensure that your TV always has the most updated information, you can use this setting. In order for the proper operation, please ensure that the TV is set to standby mode.



You can enable or disable automatic upgrade by setting **Automatic Scanning** option.

You can manually search for new software by selecting **Scan for upgrade**.

Application Version

Displays the current application version.

Hard of Hearing

If the broadcaster enables any special signal concerning the audio, you can set this setting as On to receive such signals.

- Use **Up** or **Down** button to select **Hard of Hearing** and then press **Left** or **Right** button to set this setting as On or Off.

Audio Description

Audio description refers to an additional narration track for blind and visually impaired viewers of visual media, including television and movies. The description narrator talks through the presentation, describing what is happening on the screen during the natural pauses in the audio (and sometimes during dialogue, if deemed necessary). You can use this feature, only if the broadcaster supports that additional narration track.

- Highlight **Audio Description** by pressing **Up** or **Down** button.
- Press **OK** button to enter Audio Description submenu.
- Use **Up** or **Down** button to select Audio Description setup and then press **Left** or **Right** button to set this setting.

Auto TV Off

You can set the timeout value of auto off feature. After the timeout value is reached and the TV is not operated for selected time, the TV will go off. Press **MENU** button and select **Settings** by using **Left** or **Right** button. Press **OK** button to continue. Use **Up** or **Down** button to select **Other Settings** and then press **OK** button. Select **Auto TV Off** using **Up** or **Down** button.

Broadcast Type (optional)

Press **MENU** button and select **Settings** by using **Left** or **Right** button. Press **OK** button to continue. Use **Up** or **Down** button to select **Other Settings** and then press **OK** button. Select **Broadcast Type** using **Up** or **Down** button and use **Left** or **Right** button to set.

When you set the desired broadcast type by using **Left** or **Right** button, the TV will display the selected broadcast type.

Standby Search (*)

(*) This setting is visible only when the Country option is set to Denmark, Sweden, Norway or Finland.

If the Standby Search is set to On and the TV is in standby mode, the TV will look for any changes in the saved channels. Press **MENU** button and select **Settings** by using **Left** or **Right** button. Press **OK** button to continue. Use **Up** or **Down** button to select **Other Settings** and then press **OK** button. Select **Standby Search** using **Up** or **Down** button and use **Left** or **Right** button to set.

Store Mode

If you set **Store Mode** to **Enabled**, your TV's features will be illustrated on the top of the screen. To deactivate this feature, please set to **Disabled**.

Power Up Mode

This setting configures the power up mode preference. *Always On*: The TV always switches on when main on/off button is pressed.

Standby: The TV always powers up in Standby mode. *Last State*: The TV always switches on with the last selected channel/source.

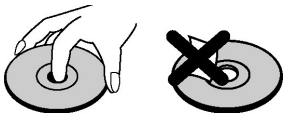
DVD Mode

This television has a built-in DVD module. The following instructions are for correct operation of the DVD.

- ⚠ ***Warning:*** Risk of exposure to radiation from class 1/class 3b visible and invisible laser beams. **Do not** stare directly into beam.

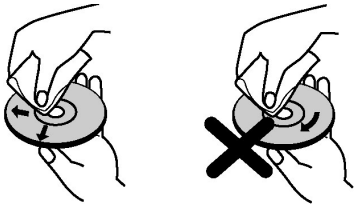
CLASS 1
LASER PRODUCT

Handling Discs



- To keep the disc clean, only handle the disc by its edge. **Do not** touch the surface.
- **Do not** stick paper or tape on the disc.
- If the disc is contaminated with any substance like glue, remove before using it.
- **Do not** expose the disc to direct sunlight or heat sources such as hot air ducts, or leave it in a car parked in direct sunlight as the temperature can rise quickly and damage the disc.
- After playing, store the disc in its case.

Cleaning Discs



- Before playing, clean the disc with a cleaning cloth. Wipe the disc from the centre out.
- **Do not** use solvents such as benzine, thinner, commercially available cleaners or anti-static spray intended for vinyl LPs.

DVD - Features

- DVD / CD / CD-R / CD-RW / MP3 / JPEG / MPEG playback.
- NTSC / PAL playback (according to disc content).
- LPCM audio via coaxial and optical digital audio outputs (optional).
- Multi-Audio (up to 8) support (according to disc content).
- Multi-Subtitle (up to 32) support (according to disc content).
- Multi-Angle (up to 9) support (according to disc content).
- 8 level parental control.
- Fast forward and rewind - 5 different speeds: 2x, 4x, 8x, 16x, 32x.
- Slow motion playback - 4 different speeds: 1/2x, 1/4x, 1/8x, 1/16x forward.
- Frame by frame forward playback.
- Search Mode.
- Repeat.
- Coaxial audio output (optional).
- Copied disks may be incompatible.

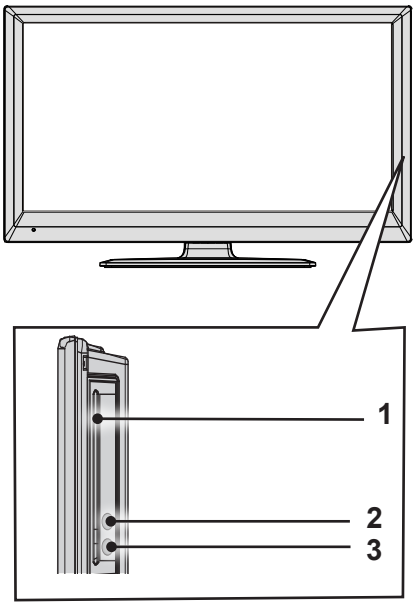
DVD Mode

General Operation

DVD - Control buttons on the TV

1. Disc loader
2. Play / Pause (▶ / ⏸) button
   Plays / pauses the disc. When DVD menu (root menu) is active, this button functions as “button select” (selects the highlighted item in menu) if this is not prohibited by the disc).
3. Stop / Eject (■ / ⏏) button.
   Stops the disc playing / Ejects or Loads the disc.

***NOTE**: You cannot eject the disc via the remote control. To eject while playing a file; you should press the STOP button (■ / ⏏) (on the TV) three times.*



DVD Mode

You can operate DVD, movie CD, music or picture CD's content by using the buttons on your remote control. Below are the main functions of commonly used remote control buttons.

Buttons on the Remote Control	DVD Playback	Movie Playback	Picture Playback	Music Playback
▶	Play	Play	Play	Play
⏸	Pause	Pause	Pause	Pause
■	Stop	Stop	Stop	Stop
⏮/ ⏭	Skip backward/forward	Skip backward/forward	Previous / Next	Previous / Next
◀/▶	Highlights a menu item / Shifts the zoomed picture left or right (if available)			X
▼/▲	Highlights a menu item / Shifts the zoomed picture up or down (if available)			
◀◀/▶▶	Rapid reverse / Rapid advance		X	Rapid reverse / Rapid advance
C	Clears digit (if available)			
Display	Displays disc information / Displays DVD setup menu during stop mode			
INFO	Display disc information			
LANG	Audio language	X	X	X
MENU	Displays main menu			
OK	Enter / View / Play			
REPEAT	Displays repeat options			
RETURN	Returns back to the previous menu (if available)			
ROOT	Goes back to the root folder (if available)			X
SEARCH MODE(*)	Direct selection of scenes, time or file (track) number			
SUBTITLE	Subtitle on-off. Press repeatedly to switch between subtitle options (if available)		X	X
TITLE	Displays disc menu (if available)		X	X
ZOOM	Zooms picture. Press repeatedly to switch between zoom options			X

Other Functions – Button Combinations (During playback)	
⏸ + ▶▶	Slow forward
[⏸ + ▶▶] + ◀◀ ▶▶	Sets slow forward speed
[⏸ + ◀◀]	Sets slow reverse
▶▶ + ▶▶	Sets rapid advance speed
◀◀ + ◀◀	Sets rapid reverse speed
■ + ■	Confirms stop command
⏸ + ⏭	Press ⏭ repeatedly to advance manually

(*) You can switch to title by pressing numeric keys directly. You need to press 0 and then digit key to switch one digit titles (example: to select 5, press 0 and 5).

DVD Mode

General Operation

How to watch a DVD

NOTE: *DVD mode cannot be accessed unless a DVD is inserted or a DVD control button is pressed.*

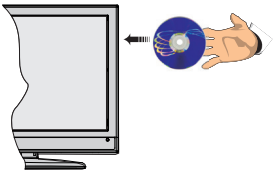
If you switch to another source by pressing SOURCE, SWAP or CH▲/▼ buttons on the remote control, DVD playback will be paused automatically. You should press PLAY and resume the playback manually when you switch to DVD mode.

1. Switch on the TV.

2. Switch to DVD source using the "**SOURCE**" button on the remote control.

3. Insert a disc into the loader.

The disc MUST be facing you when looking at the TV screen.



Most discs will be automatically loaded and play will start automatically if the disc does not have any menus recorded on it.

If play does not start automatically, press the play button "▶" on the remote control, or the play button "▶ / ⏸" on the right side of the TV.

A menu may appear on the TV screen after a few moments or the film may start immediately after the Film/TV Company introduction. This will depend on the disc content and may differ on each disc.

NOTE: Steps 4 and 5 are only available when a menu is recorded on the disc.

4. Press the navigation buttons "▲" , "▼" ,"◀" or "▶" or the number button/s to select the required title.

5. Press the **OK** button. The selected item starts to play.

Notes on DVD Playback

a. No sound will be heard during Rapid advance or Rapid reverse.

b. No sound will be heard during Slow motion play.

c. Reverse Slow motion play is not available.

d. In some cases, the subtitle language will not be changed immediately to the selected one.

e. When the preferred language will not select, even after pressing the button several times, it means the language is not available on the disc.

f. When the DVD player is restarted or the disc is changed, the subtitle selection is automatically changed back to the initial settings.

g. If a language is selected that is not supported by the disc, the subtitle language will automatically be set to the disc's priority (default) language.

h. Usually a 'circulation' will happen while switching to another language, this means you can cancel the subtitle by pressing the same button a number of times until "Subtitle Off" appears on the screen.

i. When the power is turned on or the disc is removed, the language heard will be the one selected at the initial settings.

j. Some DVDs may not contain root and/or title menus.

k. Reverse stepping is not available.

l. For reference: If you attempt to enter a number greater than the total time of the current title, the time search box disappears and "Input Invalid ⃠ " message appears on top-left corner of screen.

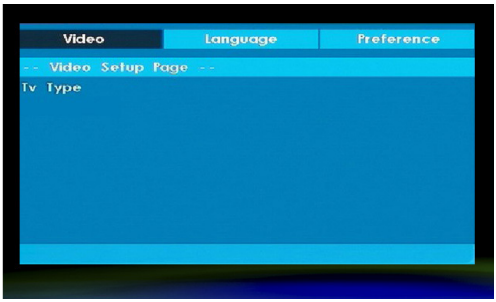
m. The slide show is disabled when the ZOOM mode is on.

DVD Mode

General Operation

DVD Mode Configuration

1. While in DVD source, press **DISP.** button to access DVD Setup menu. This is only possible if there is no playback.



2. This menu is operated using "◀" or "▶" and "▲" or "▼" buttons.

TV Type

TV Type is only available as 'PAL'. The TV set also supports NTSC signal; however, the signal will be converted to PAL when it appears on the screen.

Language Setup

This menu is used for setting language preferences in DVD mode. Language menu contents are detailed below:

OSD LANG

You can select the default OSD language of the player menus

AUDIO

You can select the default audio language if supported by the DVD disc.

DISC MENU

You can select the DVD's disc menu language among these languages. Disc menu appears in the selected language, if supported by the DVD disc.

SUBTITLE

You can select the default subtitle language if supported by the DVD disc.

Preferences: These are the DVD mode preferences. Menu contents are detailed below:

DEFAULT

If you choose RESET and press **OK**, the factory-presets are loaded. Parental level and parental password does not change.

DOWNMIX

This mode can be selected when the digital audio output of the TV is used.

SURROUND

Surround sound output.

STEREO

Two channels stereo.

PARENTAL

Playing some DVDs can be limited depending on the age of users. The "Parental Control" function allows playback limitation level to be set by the parent. Parental Level can be adjusted to one of the eight levels. Level "8 ADULT" adjustment let you watch all of the DVD titles ignoring the DVD disc's parental level. You can watch the DVD discs, which has the same or lower parental level than the player's level only.

PASSWORD

Using this item you can change the current password. To change the password you will be prompted to enter your old password. After you have entered your old password, you can now enter the new 4-digit password. You can use C key to delete the incorrect entry.

NOTE: Factory preset of the password is "0000". You have to enter XXXX digital password every time you want to change the parental level. If you forget your password please contact technical service.

SPDIF OUTPUT

You can set Spdif Output as PCM or Compressed. If you select PCM from SPDIF Output in DVD menu and play DVD with Dolby audio, you can get audio output with two channels via the speakers and the SPDIF Out. If you select Compressed from SPDIF Output in DVD menu and play DVD with Dolby audio, speakers will be muted and you can get 5+1 Dolby audio via the SPDIF Out.

DVD Mode

Troubleshooting & Tips

The DVD picture quality is poor

1. Make sure the DVD disc surface is not damaged (no scratches, fingerprints etc.).

2. Clean the DVD disc and try again. *See instructions in "Cleaning Discs" to clean your disc properly.*

3. Ensure that the DVD disc is in the loader with the label facing you when looking at the TV screen.

4. A damp DVD disc or condensation may effect the equipment. Wait for 1 to 2 hours in Stand-by mode before using the equipment.

The Disc does not play

1. No disc in the machine - *Place a disc into the loader.*

2. Disc is incorrectly loaded - *Ensure that the DVD disc is in the loader with the label facing you when looking at the TV screen.*

3. Wrong type of disc. The DVD player cannot play CD-ROMS etc.

4. The region code of the DVD disc must match the player.

Ensure that the DVD disc is in the loader with the label facing to the front.

Wrong type of disc. The machine cannot play CD-ROMS with PC-Data.

Wrong OSD language

1. Select the language in the setup menu.

2. The language for the sound or subtitles on a DVD disc cannot be changed.

3. Multilingual sound and/or subtitles are not recorded on the DVD disc.

4. Try to change the sound or subtitles using DVD's title menu. Some DVD's do not allow the user to change these settings without using the disc's menu.

Angle, Zoom etc. functions do not work

1. These functions are not available on the DVD.

2. Angle can only be changed when the angle symbol is displayed.

If nothing works.

If you have tried the above solutions and none seem to work, try switching your TV-DVD off and on again. If this does not work, contact your supplier or TV-DVD repair technician.

Notice

This product incorporates copyright protection technology that is protected by U.S. patents and other intellectual property rights. Use of this copyright protection technology must be authorized by Rovi Corporation, and is intended for home and other limited viewing uses only unless otherwise authorized by Rovi Corporation. Reverse engineering and disassembly are prohibited.

Appendix A: DVD Mode Supported file formats

Media	File Extension	Format		Supported (Maximum resolution/Bit rate etc.)
		Video	Audio	
Movie	.mpg/.dat/. vob	MPEG1	MPEG Layer 1/2/3	
		MPEG2	MPEG2	
	.avi	XviD/3ivx	PCM/MP3	XviD Version up to:1.1.2
		MPEG4	PCM/MP3	
		MS ISO MPEG4	PCM/MP3	Support SP and ASP
Music	-	-	PCM	Sample Rate: 8K ~ 48KHz
	.mp3	-	MPEG 1/2 Layer 1/2/3 MP3	Sample Rate: 8K ~ 48KHz, Bit Rate: 64K ~ 320Kbps
Photo	.jpg	Baseline JPEG		W x H = 8902 x 8902 up to 77 Mega-pixel Support format: 444/ 440/ 422/ 420/ Grayscale
		Progressive JPEG		Up to 4 Mega-pixel Support format: 444/ 440/ 422/ 420/ Grayscale
External Subtitles	.srt			Support Text File Format, but do not support Picture File Format
	.smi			
	.sub			
	.ssa			
	.ass			

Appendix B: Compatible disc types

Disc Types (Logos)	Recording Types	Disc Size	Max. Playing Time	Characteristics
DVD VIDEO	Audio + Video	12cm	Single sided; 240 min. Double sided; 480 min.	DVD contains excellent sound and video due to Dolby Digital and MPEG-2 System. Various screen and audio functions can be easily selected through the on screen menu.
COMPACT disc DIGITAL AUDIO	Audio	12cm	74 min.	An LP is recorded as an analogue signal with more distortion. CD is recorded as a digital signal with better audio quality, less distortion and less deterioration of audio quality over time.
MP3 READABLE	Audio (xxxx.mp3)	12cm	Depends on MP3 quality	MP3 is recorded as a digital signal with better audio quality, less distortion and less deterioration of audio quality over time.
JPEG READABLE	Video (still picture)	12cm	Depends on JPG quality	JPEG is recorded as a digital signal with better picture quality over time.

For proper operation, only 12 cm discs must be used.

USB Media Browser

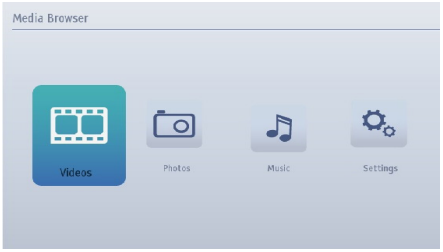
This TV allows you to enjoy photo, music or video files stored on a USB memory

Manual Start

- To display Media Browser window, you can press **MENU** button on the remote control and then select **Media Browser** by pressing **Left** or **Right** button.
- You can also select Media Browser from the Quick button menu.
- Press **OK** button to continue. Media Browser menu contents (depending on the contents of your USB memory) will be displayed.

Auto Start

- When you plug a USB memory, the following menu will be displayed.



You can play music, picture and video files from a USB memory.

- To display All files in a list, select Settings tab and change View Style to Folder. Then go back to main media browser screen and you will see that now All tab will be available. Select All tab and press **OK** button.

***Note**:*

Some USB compliant devices may not be supported.

If the USB memory is not recognized after power off/on or First Time Installation, plug the USB memory out and power off/on the TV set. Then plug the USB memory in again.

- Do not use a USB Hub.
- You must obtain any required permission from copyright owners to use copyright content.

Toshiba cannot and does not grant such permission.

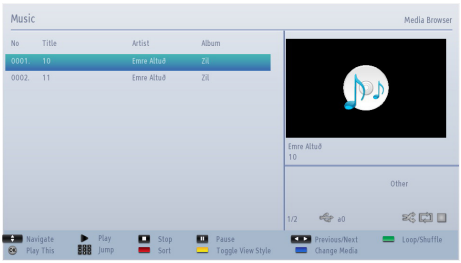
- Depending on the file size and amount in your USB memory, it may take some time for loading to view. A message will display on-screen when loading files from the USB memory.
- Only limited types of USB device are supported. Therefore, it is suggested not to use USB for playing Media Player.
- Non-supported characters will be replaced with a square (□).

USB Media Browser - continued

This TV allows you to enjoy photo, music or video files stored on a USB memory

Playing MP3 Files

To play mp3 files from a USB memory, you can use this menu screen.

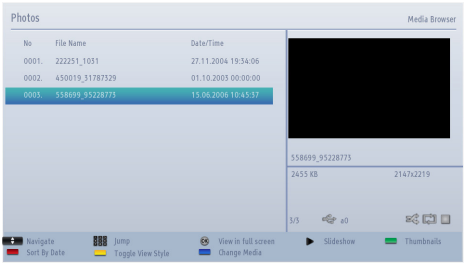


- ▼/ ▲ : Navigate menu
- **Play (▶ button)**: Starts the playback.
- **Stop (■ button)** : Stops playback.
- **Pause (❚❚ button)** : Pauses the selected playback.
- **RED button:** Sorts files by Title, Artist or Album.
- **Loop/Shuffle (GREEN button)**: Press once to disable Loop. Press again to disable both Loop and Shuffle. Press once more to enable only Shuffle. Press again to enable all. You can follow the disabled functions with the change of the icons.
- **0..9 (Numeric buttons):** The TV will jump to the file starting with the letter you input via the numeric buttons on your remote control.
- **Play This (OK button)** : Plays the selected file.
- **Previous/Next (Left/Right buttons)** : Jumps to previous or next file to play.
- **Yellow button:** Change viewing style
- **BLUE button:** Changes media options.

Note: *If the Viewing Style is set to Folder in Media Browser Settings, Music folder will be displayed as sorted and there is no need to sort files again by pressing RED button.*

Viewing JPEG Files

To view photo files from a USB Memory, you can use this menu screen. When you select Photos from the main options, available image files will be filtered and listed on this screen.



If you select a subtitle file and press **OK** button, you can select or deselect that subtitle file. The following menu will be displayed while playing a video file:

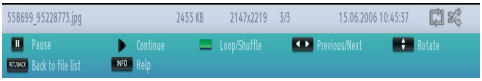
- **Jump (Numeric buttons)**: Jump to selected file using the numeric buttons.
- **OK**: Views the selected picture in full screen.
- ▼/ ▲ : Navigate menu
- **Slideshow (▶ button)**: Starts the slideshow using all images.
- **GREEN button**: Views images in thumbnails.
- **RED button**: Sorts files by date.
- **YELLOW button**: Change viewing style
- **BLUE button**: Changes media options.

USB Media Browser - continued

This TV allows you to enjoy photo, music or video files stored on a USB memory

Slideshow Feature

You can use this feature to display photos on your TV.

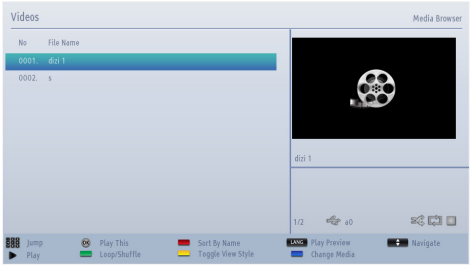


- **Pause (❚❚ button)** : Pauses the slideshow.
- **Continue (▶ button)** : Continues the slideshow.
- **Loop/Shuffle (GREEN button)**: Press once to disable Loop. Press again to disable both Loop and Shuffle. Press once more to enable only Shuffle. Press again to enable all. You can follow the disabled functions with the change of the icons.
- **Previous/Next (Left/Right buttons)**: Jumps to previous or next file on slideshow.
- **Rotate (Up/Down buttons)**: Rotates the image using up/down buttons.
- **RETURN (Exit):** Back to file list.
- **INFO button**: Displays help screen.

Video Playback

*When you select **Videos** from Media Browser, available video files will be filtered and listed on this screen. You can use **Up** or **Down** button to select a video file and press **OK** button to play a video.*

***Note:** If you set **View Style** from **Media Browser Settings** menu as '**Folder**', media browser main selection screen will include All tab as well.*



If you select a subtitle file and press **OK** button, you can select or deselect that subtitle file.

Jump (Numeric buttons): The TV will jump to the file starting with the letter you input via the numeric buttons on your remote control.

Play This (OK button) : Plays the selected file.

▼/ ▲ : Navigate menu

LANG. (Play Preview): Displays selected file in a small preview screen.

RED: Sorts files by name.

Play (▶ button) : Plays all media files starting with the selected one.

YELLOW Button: Change viewing style

Loop/Shuffle (GREEN button): Press once to disable Loop. Press again to disable both Loop and Shuffle. Press once more to enable only Shuffle. Press again to enable all. You can follow the disabled functions with the change of the icons.

BLUE: Changes media options.

Play (▶ button): Starts the video playback.

Stop (■ button): Stops the video playback.

Pause (❚❚ button): Pause the video playback.

Rewind (◀◀ button): Goes backward.

Forward (▶▶ button): Goes forward.

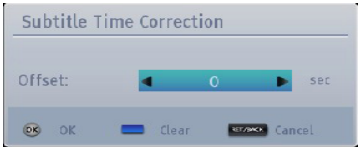
Previous/Next (Left/Right button): Plays the previous/ next file.

Subtitle/Audio (LANG. button): Sets subtitle/Audio.

Green: Jumps to the selected time.

Yellow: Opens subtitle time correction menu.

Ret/Back (RETURN button): Back to previous menu.



Press **OK** to confim

Press **BLUE button** for clear

Press **RET/BACK** button to switch back to previous menu.

***Note**:*

*You can set subtitles by using **OK** button before starting the playback or by using **LANG.** button during the playback. Selected subtitles may not be displayed correctly in some cases.*

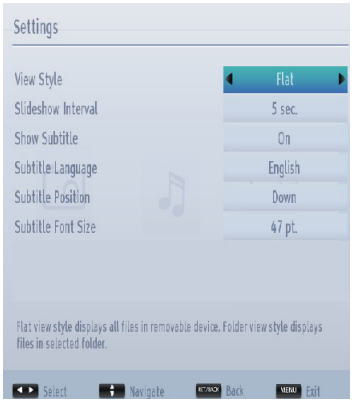
USB Media Browser - continued

This TV allows you to enjoy photo, music or video files stored on a USB memory

In order to display movie subtitles correctly, you should set a "Movie Subtitle" language. See the section, "Movie Subtitle" in "Language Settings" for selecting Movie Subtitle language.

Press **RETURN** button to switch back to previous menu.

Media Browser Settings



You can set your Media Browser preferences by using the **Settings** dialogue. Press **Up** or **Down** button to highlight an item and use **Left** or **Right** button to set.

View Style: Sets default browsing mode.

Slideshow Interval: Sets slide show interval time.

Show Subtitle: Sets subtitle enabling preference.

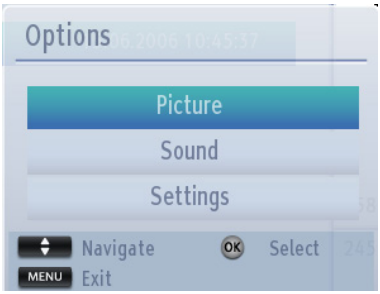
Subtitle Language: Sets supported subtitle language.

Subtitle Position: Sets subtitle position as up or down.

Subtitle Font Size: Sets subtitle font size (max. 54pt).

Using MENU button in Media Browser Mode

Pressing **MENU** button in Media Browser mode displays the following menu screen:



You can access **Picture**, **Sound** and **Settings** menu options using this screen. Press **MENU** again to exit from this screen.

To Close the Media Player

• Press **RETURN** button on the remote control.

Analogue Only Text Services

This television has a multi-page text memory, which takes a few moments to load.

Before using the text services, the required language region must be chosen.

- Select **Language** from the **Settings** menu.
- Press the **Left** or **Right** button to choose the required language region.
- After the Teletext language is selected, press **MENU** button to exit.

Using Text Button -TXT

- To view text services press **TXT**. Press **TXT** again to superimpose text over a normal broadcast picture.
- Press **TXT** again to return to normal viewing.
- Programmes cannot be changed until text is cancelled.
- The first text page shown will be the initial page.
- Any text page can be accessed by entering the 3 digit page number using the numbered buttons, pressing the coloured buttons or pressing to advance to the next page and to go back to the previous page.
- Four coloured titles will appear at the base of the screen. To access one of the four given subjects, press the relevant coloured button on the remote control.
- For further information on your particular text system(s), see the broadcast text index page or, consult your local Toshiba dealer.

Below is a guide to the functions of the remote control text buttons.

Acessing Sub-Pages

If a text page has sub-pages, press and enter the sub-page numbers 01,02,03 etc. which can be selected using Left/ Right buttons at the bottom of the text page under the coloured links.

Revealing Concealed Text

To discover the solutions on quiz and joke pages press the **INFO** button.

Holding a Page

At times it is convenient to hold a page of text. Press **OK** and **HOLD** will appear in the top left of the screen. The page will be held on screen until the button is pressed again.

To display an initial page

Press **RETURN** to access an initial page. The one displayed is dependant on the broadcaster.

Appendix C: PC Input Typical Display Modes

The following table is an illustration of some of the typical video display modes. Some, due to the display native resolution, are scaled automatically to enable correct image to be displayed.

Your TV may not support different resolutions. Supported resolution modes are listed below.

If you switch your PC to an unsupported mode, a warning OSD will appear on the screen.

Index	Resolution	Frequency
1	640x400	70Hz
2	640x350	85Hz
3	640x400	85Hz
4	640x480	60Hz
5	640x480	66Hz
6	640x480	72Hz
7	640x480	75Hz
8	640x480	85Hz
9	800x600	56Hz
10	800x600	60Hz
11	800x600	70Hz
12	800x600	72Hz
13	800x600	75Hz
14	800x600	85Hz
15	832x624	75Hz
16	1024x768	60Hz
17	1024x768	66Hz
18	1024x768	70Hz
19	1024x768	72Hz
20	1024x768	75Hz
21	1024x768	85Hz
22	1152x864	60Hz
23	1152x864	70Hz
24	1152x864	75Hz
25	1152x864	85Hz
26	1152x870	75Hz
27	1280x768	60Hz
28	1360x768	60Hz
29	1280x768	75Hz
30	1280x768	85Hz
31	1280x960	60Hz
32	1280x960	75Hz
33	1280x960	85Hz
34	1280x1024	60Hz
35	1280x1024	75Hz
36	1280x1024	85Hz
37	1400x1050	60Hz
38	1400x1050	75Hz
39	1400x1050	85Hz
40	1440x900	60Hz
41	1440x900	75Hz
42	1600x1200	60Hz
43	1680x1050	60Hz
44	1920x1080	60Hz
45	1920x1200	60Hz

Appendix D: AV and HDMI Signal Compatibility (Input Signal Types)

Source	Supported Signals		Available
EXT-1 (SCART1)	PAL		O
	NTSC 60		O
	RGB 50/60		O
	SECAM		O
EXT-1 (SCART2)	PAL		O
	NTSC 60		O
	SECAM		O
Side AV	PAL 50/60		O
	NTSC 60		O
	SECAM		O
YPbPr	480I	60Hz	O
	480P	60Hz	O
	576I	50Hz	O
	576P	50Hz	O
	720P	50Hz	O
	720P	60Hz	O
	1080I	50Hz	O
	1080I	60Hz	O
HDMI1	480I	60Hz	O
	480P	60Hz	O
	576I	50Hz	O
	576P	50Hz	O
	720P	50Hz	O
	720P	60Hz	O
	1080I	50Hz	O
	1080I	60Hz	O
	1080P	24Hz 25Hz 30Hz 50Hz 60Hz	O

***Note**: In some cases a signal on the LCD TV may not be displayed properly. The problem may be an inconsistency with standards from the source equipment (DVD, Set-top box, etc.). If you do experience such a problem please contact your dealer and also the manufacturer of the source equipment.*

Appendix E: PIN Information

Before connecting any external equipment, turn off all main power switches. If there is no switch, remove the mains plug from the wall socket.

Signal information for Mini D-sub 15 pin connector

Pin No.	Signal name	Pin No.	Signal name	Pin No.	Signal name
1	R	**6**	Ground	**11**	NC
2	G	**7**	Ground	**12**	NC
3	B	**8**	Ground	**13**	H-sync
4	NC*	**9**	NC	**14**	V-sync
5	NC	**10**	Ground	**15**	NC

* NC = not connected

Appendix F: Supported File Formats for USB Mode

Media	Extension	Format		Notes
		Video	Audio	
Movie	dat, mpg, mpeg	Mpeg1,2	MPEG1/2 Layer 1/2/3, AAC/HEAAC, AC3/EAC3, LPCM/ADPCM	1080P@ 30fps 50Mbit/ sec
	dat, mpg, mpeg	MPEG2 ,H.264, VC1, AVS, MVC	MPEG1/2 Layer 1/2/3, AAC/HEAAC, AC3/EAC3, LPCM/ADPCM	H.264:1080Px2@25fps 1080P@ 50fps MVC: 1080P@ 24fps Other: 1080P@ 30fps" 50Mbit/ sec
	.vob	MPEG2	MPEG1/2 Layer 1/2/3, AC3, LPCM	1080P@ 30fps 50Mbit/ sec
	.mkv	MPEG1,2,4, XviD, H.264, VC1,WMV3, Motion JPEG	MPEG1/2 Layer 1/2/3, AAC/HEAAC, AC3/EAC3, LPCM	H.264:1080Px2@25fps 1080P@ 50fps Other:1080P@ 30fps 50Mbit/sec
	.mp4 .mov		MPEG1/2 Layer 3, AAC/HEAAC, AC3/EAC3, LPCM/ADPCM	H.264: 1080Px2@25fps 1080P@ 50fps Other: 1080P@ 30fps 50Mbit/ sec
	.avi	MPEG1,2,4 Xvid H.264, VC1,WMV3, Sorenson H.263 Motion JPEG	MPEG1/2 Layer 1/2/3, AAC/HEAAC, AC3/EAC3, LPCM/ADPCM, WMA	H.264: 1080Px2@25fps 1080P@ 50fps Other: 1080P@ 30fps" 50Mbit/sec
	flv	H.264, Sorenson H.263	MPEG1/2 Layer 3, AAC/HEAAC, LPCM/ADPCM	H.264: 1080Px2@25fps 1080P@ 50fps Other: 1080P@ 30fps" 50Mbit/ sec
	3gp,3g2	MPEG4, H.264		1920x1080 @ 30P 20Mbit/sec
	asf, wmv	MPEG2,4, XviD, H.264, VC1,WMV3	MPEG1/2 Layer 1/2/3, AAC/HEAAC, AC3/EAC3, LPCM, WMA	1080P@ 30fps 50Mbit/ sec
Music	.mp3	-	MPEG1 Layer 1/2/3 (MP3)	
	.wav		LPCM	
	WMA/ASF		WMA, WMA Pro	
	.m4a/ .aac		AAC, HEAAC	
Photo	.jpg .jpeg	Baseline JPEG		MAX WxH = 14592x12288 Up to 8 MegaByte
	.png	Progressive JPEG		
	.bmp	non-interlace		
	.png	interlace		
Subtitle	sub	-	-	
	srt	-	-	

Specifications and Accessories

Broadcast Systems/Channels
DVB-T, MPEG2, DVB-T, MPEG4 HD
DVB-C, MPEG2, DVB-C, MPEG4
Video Input PAL, SECAM, NTSC 4.43
Stereo Nicam
External Connections

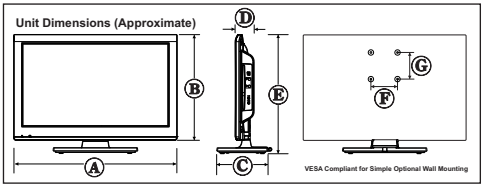
1-SCART 1	Input	21-pin SCART	RGB, A/V
2-SCART-S (via SCART 1)	Input	21-pin SCART	S-Video
3-YPbPr (via VGA)	Input	Mini D-Sub 15-Pin Analogue	
4-SIDE AV	Input	Side AV Cable input	Video + Audio L + R
5-HDMI 1	Input	Type A	
6-PC	Input	Mini D-Sub 15-Pin Analogue	RGB Signal
7-Digital Audio	Output	S/PDIF	(Coaxial)
8-YPbPr	Input	YPbPr Connection Jack	

USB Ports Media Browser Interface Version: USB 2.0
USB Class: Mass Storage
File System: FAT32
Headphone Socket 3.5mm stereo
Operating Conditions Temperature 5°C - 35°C (41°F - 94°F)
Humidity 20 - 80% (non-condensing)
Supplied Accessories Remote Control
2 batteries (AAA,IEC R03 1.5V)
Four screws
Side AV cable
YPbPr Connection Cable
Stand fixing cover
P Clip

	24"
Energy Efficiency Class	A
Visible Screen Size (approx.)	61cm / 24"
On Mode Power Consumption (approx.) (*)	23W
Annual Power Consumption (approx.) (**)	33 kWh
Standby Power Consumption (approx.)	< 0.50 W
Screen Resolution (pixels)	1920 x 1080
Display	16:9
Sound Output (at 10% distortion)	2 x 2.5
Power Consumption Model (approx.)	50W
Weight **TV with stand**	6 kg
Gross weight	8 kg
TV without stand	5.5 kg

(*) Tested in accordance with IEC 62087-BD in default settings.

(**) Energy consumption 33 kWh per year, based on the power consumption of the television operating 4 hours per day for 365 days. The actual energy consumption will depend on how the television is used.



Specification is subject to change without notice.

	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)
24D1333B 24D1334B	566.42	348.83	162.62	56.59	386.75	75	75

License Information

- HDMI, the HDMI logo, and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC in the United States and other countries.
- DVB is a registered trademark of the DVB Project.
- [1] EIA/CEA-861-D compliance covers the transmission of uncompressed digital video with high-bandwidth digital content protection, which is being standardized for reception of high-definition video signals. Because this is an evolving technology, it is possible that some devices may not operate properly with the television.

MP3 licence letter

MPEG Layer-3 audio coding technology licensed from Fraunhofer LLS and Thomson.

AVC licence letter

THIS PRODUCT IS LICENSED UNDER THE AVC PATENT PORTFORIO LICENSE FOR THE PERSONAL AND NON-COMMERCIAL USE OF A CONSUMER TO (I)ENCODE VIDEO IN COMPLIANCE WITH THE AVC STANDARD (“AVC VIDEO”) AND/OR (II)DECODE AVC VIDEO THAT WAS ENCODED BY A CONSUMER ENGAGED IN A PERSONAL AND NON-COMMERCIAL ACTIVITY AND/OR WAS OBTAINED FROM A VIDEO PROVIDER LICENSED TO PROVIDE AVC VIDEO. NO LICENSE IS GRANTED OR SHALL BE IMPLIED FOR ANY OTHER USE. ADDITIONAL INFORMATION MAY BE OBTAINED FROM MPEG LA,L.L.C. SEE HTTP//WWW.MPEGLA.COM

Licence Notification

Manufactured under license from Dolby Laboratories.

TRADEMARK ACKNOWLEDGMENT

“Dolby” and the double-D symbol are trademarks of Dolby Laboratories.

DOLBY DIGITAL PLUS

Disposal...

The following information is only for EU-member states:

Disposal of products
The crossed out wheeled dust bin symbol indicates that products must be collected and disposed of separately from household waste. Integrated batteries and accumulators can be disposed of with the product. They will be separated at the recycling centres.
The black bar indicates that the product was placed on the market after August 13, 2005.
By participating in separate collection of products and batteries, you will help to assure the proper disposal of products and batteries and thus help to prevent potential negative consequences for the environment and human health.
For more detailed information about the collection and recycling programmes available in your country, please contact your local city office or the shop where you purchased the product.

Disposal of batteries and/or accumulators
The crossed out wheeled dust bin symbol indicates that batteries and/or accumulators must be collected and disposed of separately from household waste.
If the battery or accumulator contains more than the specified values of lead (Pb), mercury (Hg), and/or cadmium (Cd) defined in the Battery Directive (2006/66/EC), then the chemical symbols for lead (Pb), mercury (Hg) and/or cadmium (Cd) will appear below the crossed out wheeled dust bin symbol.
By participating in separate collection of batteries, you will help to assure the proper disposal of products and batteries and thus help to prevent potential negative consequences for the environment and human health. For more detailed information about the collection and recycling programmes available in your country, please contact your local city office or the shop where you purchased the product.

Q & A Section

	Question	Answer
Sound	Why is there no sound or picture?	"Check the TV is not in standby mode. Check the mains plug and all mains connections"
	Why is there a picture but no sound?	Check the volume has not been turned down or that sound mute has not been selected
	Why is the sound only coming form one speaker when stereo sound is selected?	Check that the balance in the SOUND menu hasn't been set to one side
	Why is the soundtrack in English when a different audio language has been selected?	The programme is currently being broadcast with an English soundtrack only.
Picture	What can cause a poor picture?	Interference or a weak signal. Try a different TV station
	Why doesn't the video / DVD being played show on screen?	Make sure the Blu-ray of DVD player is connected to the TV as illustrated in the beginning chapters, then select the correct input by pressing SOURCE.
	Why is the Blu-ray / DVD player in black and white?	Check the correct input has been chosen.
	Why are there horizontal stripes and/ or blurred images on the screen when in PC mode?	The phase may need adjusting. Select PC settings and highlight Phase and adjust until the picture is clear.
General	Why doesn't the remote control work?	Check the batteries aren't exhausted or inserted incorrectly
	Why doesn't the Media browser feature operate?	Make sure the USB stick / HDD is connected correctly. Incorrect Operation may occur with a USB Hub connection.
	Why when digital subtitles have been selected are they not shown on screen?	Subtitles are not currently being transmitted by the broadcaster
	Why is the digital channel locked?	Parental control is activated. Check parental settings
	Why are some encrypted digital channels unavailable?	Your subscription needs upgrading. Contact your service provider.
	Why does the active standby LED sometimes take longer to go out?	When in active standby, the TV's active standby will automatically search all available channels for updates, provided automatic update is enabled. The time taken to do this may vary. Led blinks as red and green in this mode.
	Why don't the controls of the TV work?	Check CHILD LOCK is not selected
	What is DVB-T?	Digital Video Broadcast via an aerial / antenna.
	How are radio channels selected?	You can select them via Channel list
	What can be done if the pin number has been forgotten?	You can reset the TV and perform the first time installation again. Ensure that no one else is aware of this by removing the Owners manual.

EU Conformity Statement

CE

This product is carrying the CE-Mark in accordance with the related European Directives.

Responsible for CE-Marking is TOSHIBA TELEVISION CENTRAL EUROPE Sp. z o.o., ul. Pokoju 1 Biskupice Podgórne 55-040 Kobierzyce, Poland

This product is labeled with the CE Mark in accordance with the related European Directives, notably Low Voltage Directive 2006/95/EC, Electromagnetic Compatibility Directive 2004/108/EC and RoHS Directive 2011/65/EU. Furthermore the product complies with the Ecodesign Directive 2005/32/EC (EuP) and 2009/125/EC (ErP) and its related implementing measures.

If this product has an integrated Wireless LAN feature, the Radio Equipment and Telecommunications Terminal Equipment Directive 1999/5/EC is also applicable.

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TOSHIBA Television Central Europe Sp. z o.o.
Ul. Pokoju 1, Biskupice Podgórne 55-040 Kobierzyce, Poland
Specification is subject to change without notice.

This equipment corresponds to requirements of the Technical Regulation on limitation of usage of certain dangerous substances in electrical and electronic equipment.

If you wish to view the advanced functions but do not have access to a computer or the internet then please contact your nearest owner's manual Helpline number from the numbers shown below.

Country name locally	Contact Number
Österreich	0810 - 144 122 (7,3 ct/min aus dem Festnetz der Telekom Austria, Mobil ggf. abweichend)
Belgique / Belgie	02 391 01 01
България	0294 21141
Hrvatska	01 653 9737
Κύπρος	22 872 111
Česká republika	323 204191
Danmark	80 88 93 38
Eesti Vabariik	69 97 800
Suomen tasavalta	0800 77 35 03
France	09 69 32 64 84
Deutschland	0431 24 89 45 50 (Ortstarif, abweichender Mobilfunktarif moglich)
Gibralter	200 76334
Ελληνική	210 9554298
Magyar Köztársaság	23 428 870
Ísland	00 45 80 88 93 38
Yisrā'el	03 953 5900
Italia	039 609 9301
Latvijas	00 372 69 97 800
Lietuvos	00 372 69 97 800
Luxembourg	00 32 2 391 01 01
Moldova	00380 443 511 317
Nederlanden	00 32 2 391 01 01
Norge	800 573 57
Polska	0 71 796 95 05
Portugal	707 265 265
Republic of Ireland	01 246 7780
România	021 3169 393
Россия	8 800 100 05 05
Slovensko	0042 323 204191
España	902 33 22 34
Sverige	0201 70 16 00
Schweiz / Suisse	0900 57 58 58 (CHF 1.49 / Min.)
Türkiye	0 212 340 6080
U.K.	0871 495 0730
Україна	8(044) 351 13 17

Please note the telephone number only applies to advanced owner's manual enquiries and not general operation of the TV.